

# **Pre-Demolition Hazardous Building Materials Inspection Report**

Ramada (former Thunderbird) Hotel  
2300 East American Blvd.  
Bloomington, Minnesota

*Prepared for*

**The Port Authority of the  
City of Bloomington, MN**



Project B1604822  
June 30, 2016

Braun Intertec Corporation

June 30, 2016

Project B1604822

Ms. Shelly Pederson  
The Port Authority of the City of Bloomington, MN  
1700 West 98th Street  
Bloomington, MN 55431

Re: Pre-Demolition Hazardous Building Materials Inspection Report  
Ramada (former Thunderbird) Hotel Demolition Project  
2300 American Boulevard East  
Bloomington, Minnesota

Dear Ms. Pederson:

The enclosed report provides the results of the pre-demolition hazardous building materials inspection conducted on May 23 through June 7, 2016 at the Ramada (former Thunderbird) Hotel building located at 2300 American Blvd. E. in Bloomington, Minnesota (Site). Braun Intertec Corporation was authorized to conduct this inspection in accordance with the Braun Intertec General Conditions.

The following outline provides the structure of the report.

- Scope of Services
- Site Description
- Results
- Discussion
- Limitations

If you have any questions or need further assistance, please call John Hauschildt at 952.995.2000 or Robert Nordby at 952.995.2424.

Sincerely,

BRAUN INTERTEC CORPORATION

  
John W. Hauschildt  
Environmental Technician

  
Robert E. Nordby  
Associate Principal – Senior Scientist

Attachments:  
Hazardous Building Materials Inspection Report  
AA/EOE

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## A. Scope of Services

The scope of our services was limited to:

- Visually examine accessible areas and identify locations of suspect asbestos-containing material (ACM), lead, poly-chlorinated biphenyls (PCB), mercury, and other miscellaneous hazardous material.
- Collect and analyze representative bulk samples of materials suspected of containing asbestos.
- Conduct limited lead-based paint (LBP) testing of potential re-useable components with painted surfaces suspected of containing lead (where applicable). Testing will be accomplished using a Niton X-ray fluorescence (XRF) spectrum analyzer. The Niton is a portable, non-destructive, in-situ test and measurement instrument.
- Assign a hazard rating based on asbestos content with respect to the materials condition, friability, accessibility, and hazard potential.
- Document the various materials' current conditions and ACM quantities.
- Generate a final report documenting the sample locations, analysis results, conditions, ACM quantities and recommendations.

## B. Site Description

The subject of this pre-demo hazardous building materials inspection is currently vacant but was occupied most recently by Ramada Hotels. The main core of the building was originally constructed in 1963, with main core additions added in 1965, 1967 (rotunda), 1974 and 1979, according to as-built building plans. Additional renovations and additions have been done throughout the core constructed buildings over a span of years unknown at the time of this inspection. Two basements were located in the buildings that housed boiler rooms; the original 1963 addition as well as the 1967 addition building (rotunda). In addition, the 1967 building has a walkable concrete tunnel system used mainly as thermal insulated piping take-offs. The building was heated by boilers from two boiler rooms located in the above mentioned building additions. A rooftop mechanical room was also observed at the time of this inspection, above the kitchen areas. The building is constructed of steel, concrete and concrete block foundation walls. The typical interior finishes included sheetrock/joint compound, floor tile, lay-in ceiling panels, plaster, skim-cotes, terrazzo floors and carpet. The exterior of the building has brick and block walls with mainly a tar-based roof system. Asphalt paved parking areas were located on all sides the building. A small stand-alone wood constructed garage was located on the West side of the property and appeared to be used as storage. This garage was built slab-on grade using wood framing and has asphalt roof shingles roof system with cedar shake roofing over top.

## C. Results

### C.1. Asbestos

Three hundred ninety-seven (397) bulk samples were collected on May 23 through June 7, 2016 and submitted to EMSL, a microscopy laboratory that is fully accredited for bulk analysis.

#### C.1.a. Asbestos-Containing Materials

The following is a summary of building materials found or assumed to contain greater than one percent asbestos (asbestos-containing materials by regulatory definition).

##### 1963 Original Building

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1963 building contains 6 percent chrysotile (asbestos).
- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located throughout 1963 building contains 5 percent chrysotile and 5 percent amosite (asbestos).
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Boiler door insulation (assumed due to sampling constraints).
- Boiler interior components, including insulation, refractory, thermal system insulation materials (assumed due to sampling constraints).
- Boiler exterior / interior gasket materials (assumed due to sampling constraints).
- Chiller insulation (white fibrous) located in the basement boiler room contains 20 percent chrysotile.
- Tank insulation (white fibrous) located in the basement boiler room contains 20 percent chrysotile and 20 percent amosite.
- Spray-applied ceiling texture (blue) on the exterior drive up north overhang contains 2 percent chrysotile.
- Spray-applied ceiling texture located in the N.E stairwell contains 2 percent chrysotile.
- Spray-applied fireproofing (rigid) located throughout common areas, rooms and hallways contains 15 percent chrysotile.
- 2-foot by 2-foot ceiling panel (fissured) located in the basement accounting office contains 2 percent chrysotile.
- 12-inch by 12-inch floor tile (beige) cross contaminated with associated mastic (black).
- 12-inch by 12-inch floor tile (brown streaks) located in the basement laundry room contains 3 percent chrysotile.
- 12-inch by 12-inch floor tile (brown streaks) located in the storage room by the accounting office contains 2 percent chrysotile.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the first level housekeeping storage room contains 3 percent chrysotile.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the second level West Menomonie mechanical rm. Contains 10 percent chrysotile.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (beige) located in the basement laundry room contains 6 percent chrysotile.
- Mastic (black) located on the walls in the basement storage room, off of hallway, contains 10 percent chrysotile.
- Asphalt roof base located on the east roof contains 25 percent chrysotile.

- Asphalt roof base (with silver paint) located on the east roof contains 6 percent chrysotile.
- Asphalt roof flashing (with silver paint) located on the west roof contains 8 percent chrysotile.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof contains 8 percent chrysotile.
- Foundation block wall waterproofing (black) contains 4 percent chrysotile.
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 12 and 15 percent chrysotile.
- Adhesive (black) on the back of the mirrors located in the N.E. stairwell contains 20 percent chrysotile.
- Adhesive (tan) on backs of mirrors behind sinks throughout rooms contains 8 percent chrysotile.
- Adhesive (black) located on a wall in the basement storage area contains 4 percent chrysotile.
- Adhesive (black) located on exterior Styrofoam panels contains 4 percent chrysotile.
- Adhesive (brown) located on the first level banquet storage area contains 5 percent chrysotile.
- Caulking (gray) located on exterior base of window panels contains 8 percent chrysotile.
- Duct seam gasket-(black) located in the mechanical room by the second level banquet pantry area contains 50 percent chrysotile.
- Duct seam gaskets-(white woven cloth) on HVAC duct units on rooftop contains 95 percent chrysotile.
- Glazing- (gray) located on exterior windows contains 3 percent chrysotile.
- Glazing-(gray) located on the interior window in the accounting office contains 8 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

#### **1965 Addition**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1965 building contains 6 percent chrysotile.
- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located in the 1965 addition contains 5 percent chrysotile and 5 percent amosite.
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Spray-applied fireproofing (rigid) located throughout rooms and hallways contains 20 percent chrysotile.
- 12-inch by 12-inch floor tile (brown flecked) cross-contaminated with asbestos-containing black mastic.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the second level storage room by SW stairwell contains 6 percent chrysotile.
- Asphalt roof flashing (with silver paint) located on the East roof contains 2-6 percent chrysotile on the silver paint and 25-35 percent chrysotile on the asphalt flashing.
- Assumed foundation block wall waterproofing (black) contains 4 percent chrysotile (limited access).
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 10 percent chrysotile.

- Caulking (gray) located on exterior window contains 4 percent chrysotile.
- Glazing (gray) located on interior/exterior windows contains 2-5 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

#### **1967 Addition**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1967 building contains 2 percent amosite.
- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipe located in the boiler room contains 25 percent chrysotile.
- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located in the basement area contains 5 percent chrysotile and 5 percent amosite.
- Boiler burner gasket (white fibrous) contains 95 percent chrysotile.
- Boiler door insulation (assumed due to sampling constraints).
- Boiler interior components, including insulation, refractory, thermal system insulation materials (assumed due to sampling constraints).
- Boiler exterior / interior gasket materials (assumed due to sampling constraints).
- Boiler breeching (white fibrous) located in the boiler room contains 20 percent amosite and 20 percent chrysotile.
- Tank insulation (white fibrous) located in boiler room contains 20 percent amosite and 20 percent chrysotile.
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- 9-inch by 9-inch floor tile (tan striated) located on the first floor hallway contains 8 percent chrysotile and its associated mastic (black) contains 6 percent chrysotile.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof contains 15 percent chrysotile.
- Foundation block wall waterproofing (black) contains 6 percent chrysotile.
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 15 percent chrysotile.
- Adhesive (tan) behind decorative rock located in the pool area contains 4 percent chrysotile.
- Adhesive (tan) on back of mirrors located along side of the beds throughout the rooms contain 15 percent chrysotile.
- Adhesive (tan) on Styrofoam above window panels located throughout rooms contains 6 percent chrysotile.
- Glazing (gray brittle) located on the all exterior windows contain 4 percent chrysotile.
- Glazing (gray) located on all interior windows contains 15 percent chrysotile.
- Glazing (transite window panel) located throughout rooms contains 15 percent chrysotile.
- Transite panels located in the pool area contains 20 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

#### **1974 Addition**

- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Sink undercoating (gray) located throughout rooms contains 4 percent chrysotile.

- Spray-applied ceiling texture located throughout various areas in the 1974 addition contains 2 percent chrysotile.
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 15 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

#### **1979 Addition**

- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- 12-inch by 12-inch floor tile (brown flecked) cross-contaminated with associated mastic.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located on first floor by room 401 and second floor storage by SW stairwell.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof area contains 6-15 percent chrysotile.
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 20 percent chrysotile.

#### **C.1.b. Non-Asbestos-Containing Materials**

The following is a summary of building materials found to contain no asbestos or materials that contain one percent or less asbestos (non-asbestos-containing materials by regulatory definition).

#### **1963 Original Building**

- Vermiculite wall insulation located in the second level banquet pantry exterior wall area contains <0.25 actinolite (asbestos). ***See note below.***
- >12-inch roof drain fitting insulation
- 9-inch by 9-inch floor tile (black) with associated mastic (black)
- 12-inch by 12-inch floor tile (brown)
- 12-inch by 12-inch floor tile (tan) and associated mastic (black)
- 12-inch by 12-inch floor tile (white) and adhesive (tan)
- Mastic (black) associated with 12-inch by 12-inch floor tile (brown streaks)
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown streaks)
- 12-inch by 24-inch ceramic floor tile/grout/adhesive (gray)
- 2-foot by 2-foot ceramic floor tile (beige) with adhesive
- 2-inch by 2-inch ceramic floor tile/grout/adhesive (white and tan)
- 1-inch by 1-inch ceramic wall and floor tile/grout/adhesives (multi-colored and tan/brown)
- 12-inch by 12-inch ceiling tiles (fissured and splined)
- 12-inch by 12-inch ceiling tiles (fissured) and associated adhesive (brown)
- 2-foot by 2-foot ceiling panel (recessed)
- 2-foot by 2-foot ceiling panels (fissured)
- 2-foot by 2-foot ceiling panels (pocked)
- 2-foot by 2-foot ceiling panels (sheetrock)
- 2-foot by 2-foot ceiling panels (textured and fine textured)
- 2-foot by 4-foot ceiling panels (pocked)
- 2-foot by 4-foot ceiling panels (sheetrock)
- Adhesive (black) on upright mirrors
- Adhesive (black) on wall paneling



- Adhesive (gray) behind sheetrock
- Adhesive (red) ductwork
- Adhesive (tan) floor carpet and wall carpet
- Adhesive (tan) on ductwork
- Adhesive (tan) on wallpapers
- Adhesive (tan) residual wall paper
- Adhesive (tan) with mastic-(black)
- Adhesive (white) countertop
- Adhesive (white) on wainscot paneling
- Adhesive (white) stone wall tile
- Adhesive (white) wood baseboards
- Asphalt roof base (north, west)
- Asphalt roof flashing (north, west, east)
- Asphalt roofing (rolled)
- Boiler header insulation
- Boiler header insulation (red)
- Boiler jacket insulation (fiberglass)
- Boiler stack insulation
- Canvas-ironing machine rollers
- Caulking (gray and white) residual wall
- Caulking (gray) on ductwork seams
- Caulking (gray) on exterior window frames
- Caulking (gray) on walk-in cooler
- Caulking (tan) on transite window panel
- Caulking (white) exterior building expansion
- Caulking (white) on exterior brick
- Ceramic baseboard (white) with adhesive (brown)
- Ceramic countertop tile/mortar (brown)
- Ceramic countertop tile/mortar (white)
- Ceramic floor tile/grout/adhesive (black)
- Ceramic floor tile/grout/adhesive (red/brown)
- Ceramic floor tile/grout/adhesive (white)
- Ceramic wall tile and floor tiles (brown)
- Ceramic wall tile/grout/adhesive (beige)
- Ceramic wall tile/grout/adhesive (gray)
- Ceramic wall tile/grout/adhesive (white)
- Concrete block glazing (yellow)
- Concrete block wall glazing (orange)
- Duct seam tapes canvas in rooftop penthouse
- Duct seam wrap (black) on rooftop ductwork
- Elevator rooftop tower texture
- Gasket (black and white) duct vibration
- Gasket boiler doors
- Glazing (brown) interior windows
- Glazing (gray) interior windows
- Glazing (gray) on exterior East windows
- Glazing-interior window

- Insulation panels (white) laying in boxes
- Plaster interior and exterior fascia
- Rain leader insulation (north additions)
- Roof decking material
- Roof decking texture
- Sheetrock and joint compounds
- Skimcotes wall
- Spray-applied fireproofing (gray/fluffy)
- Terrazzo floorings (throughout)
- Vinyl baseboard (brown) and associated adhesive (tan)
- Vinyl flooring (brown) and adhesive (brown)
- Wall stone and mortar (red/gray)
- Wall texture /skim coat
- Wallpapers / adhesives

#### **1965 Addition**

- 12-inch by 12-inch ceiling tile (fissured) and associated adhesive (brown)
- 1-inch by 1-inch ceramic floor tile/grout/adhesive (white)
- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipe
- 2-foot by 2-foot ceiling panels (pocked)
- 2-foot by 4-foot ceiling panels (pocked)
- Adhesive (brown) on brick wall
- Adhesive (tan) behind sheetrock
- Adhesive (tan) carpet
- Adhesive (tan) countertop and backsplash
- Adhesive (tan) on carpet baseboard
- Adhesive (tan) on upright mirrors throughout rooms
- Adhesive (tan) wallpaper
- Asphalt roof base
- Caulking (gray) on exterior window frame
- Caulking (white) on transite window panels
- Ceramic floor tile/grout/adhesive (red/brown)
- Ceramic wall tile/grout/adhesive (beige)
- Ceramic wall tile/grout/adhesive (white)
- Glazing (dark gray) on exterior windows
- Plaster
- Sealant (white) on exterior window frames
- Sheetrock and joint compounds
- Skimcotes (walls)
- Terrazzo floorings (throughout)

#### **1967 Addition**

- 2-foot by 2-foot ceiling panels (pocked)
- Adhesive (tan) carpet
- Adhesive (tan) on upright mirrors
- Adhesive (tan) wallpapers
- Asphalt roof base

- Asphalt roof flashing
- Caulking (gray) on exterior column
- Ceramic countertop tile/mortar (brown)
- Ceramic floor tile/grout/adhesive (brown)
- Ceramic floor tile/grout/adhesive (red)
- Ceramic floor tile/grout/adhesive (white)
- Ceramic floor tile/grout/adhesive (white)
- Ceramic tile/grout/adhesive (blue) pool
- Ceramic tile/grout/adhesive (red) pool
- Ceramic wall tile/grout/adhesive (beige)
- Ceramic wall tile/grout/adhesive (green)
- Gasket (black ) duct vibration
- Glazing (black) skylight
- Glazing (gray) interior windows
- Glazing (gray) on exterior transite window panels
- Glazing (gray) on transite panels
- Plasters
- Sheetrock and joint compound
- Skimcotes (walls)
- Vinyl baseboard (brown) with associated adhesive (tan)
- Terrazzo floorings (throughout)
- Wall texture
- Wallpapers

#### **1974 Addition**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipe also in rooftop penthouse
- 2-foot by 2-foot ceiling panels (fissured)
- 2-foot by 2-foot ceiling panels (textured)
- Adhesive (tan) carpet
- Adhesive (tan) on wallpaper
- Caulking (black) interior windows
- Ceramic countertop/adhesive (brown)
- Ceramic countertop/adhesive (gray)
- Ceramic floor tile/grout/adhesive (olive green)
- Ceramic floor tile/grout/adhesive (black)
- Ceramic floor tile/grout/adhesive (dark green)
- Ceramic floor tile/grout/adhesive (gold)
- Ceramic floor tile/grout/adhesive (tan and brown)
- Ceramic wall tile/grout/adhesive (black)
- Ceramic wall tile/grout/adhesive (green)
- Ceramic wall tile/grout/adhesive (tan and brown)
- Sheetrock and joint compound
- Skimcotes-wall
- Wallpapers

**1979 Addition**

- 1-inch by 1-inch ceramic floor tile/grout/adhesive (tan)
- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipe
- 2-foot by 2-foot ceiling panels-(pocked)
- 2-foot by 2-foot ceiling panels-(textured)
- Adhesive (tan) carpet and floor leveler
- Adhesive (tan) on wallpaper
- Adhesive (tan) upright mirror
- Asphalt roof base
- Asphalt roof flashing
- Caulking (black) on metal window panels
- Caulking (brown) exterior door and windows
- Ceramic countertop/mortar (brown)
- Ceramic floor tile/grout/adhesive (white)
- Ceramic wall tile/grout/adhesive (beige)
- Glazing (brown) on exterior windows
- Plaster materials
- Sheetrock and joint compound
- Skimcotes (walls)
- Spray-applied fireproofing-(gray fluffy)
- Vinyl baseboard (brown) and associated adhesive (tan)

**West Garage**

- Asphalt roof shingles and tarpaper
- Blown-in insulation (white)
- Sheetrock and joint compound

**Exterior Center Courtyard**

- 12-inch to 12-inch ceramic tile/mortar (white) on bar top
- Caulking (gray) on pavers
- Column texture (gray)
- Concrete paver (red)

**Note:** The various as-built drawings called out the use of “Permalite or equal” loose fill insulation within the block walls. Additionally, during the inspection vermiculite was observed in the concrete block wall cavities in the second floor banquet pantry location. The samples collected of the vermiculite insulation indicated 0.25% Actinolite (asbestos) content using point count method. However, due to the “scientific uncertainties associated with existing analytical techniques” the EPA and MPCA recommend assuming that all vermiculite insulation contains asbestos. This is a developing issue with the regulatory agencies and it is our recommendation to request a specific interpretation for the site.

Refer to Table I in Appendix A, which lists individual functional spaces of the building, the suspect materials identified in that functional space, whether the suspect material was identified by analysis to be an asbestos-containing material, an estimated amount of each suspect material for the functional space, and includes condition, assessment categories and hazard ratings based on subjective observations made by our representatives.

Refer to Table II in Appendix B, which lists the homogenous material sample numbers, sample locations, suspect material descriptions, and the analysis results for each sample. This table summarizes the results from the Bulk Asbestos Laboratory Report, which is attached in Appendix D. Refer to Appendix E, sample location sketches listing sample locations, including identified and suspect asbestos-containing building materials.

Bulk asbestos analysis was conducted in accordance with the Environmental Protection Agency's (EPA) Method 40 CFR, Chapter 1, Part 763, Subpart F, and Appendix A (7/1/87 Edition).

## C.2. Lead-Based Paint

Testing of limited building components for lead-based paint was accomplished utilizing a Niton XL X-Ray Fluorescence (XRF) field portable analyzer, Model No. XLP303A - Serial No. 22287, equipped with a 40-milcurie CD-109 source - Serial No. TR3277, installed on March 17, 2015.

Analysis decision-making protocols were based on compliance with the United States (US) EPA and Minnesota Department of Health (MDH), which consider any x-ray fluorescence (XRF) result of 1.0 milligram per square centimeter (mg/cm<sup>2</sup>) or greater to be "lead-based paint." The following is a list of lead-based paints that were found on the limited building components tested.

- **Boiler room floor-concrete (yellow) located in the 1963 addition.**
- **Pipe-Metal (orange) located in the 1979 boiler room tunnel.**

Refer to Table III in Appendix C, which lists the sample numbers, sample locations, component descriptions, XRF field results, and the paint condition for each sample.

The following is a list of building components found to contain lead materials but not considered lead-based paint. These materials are not part of a lead-based paint inspection protocol, but would fall under the OSHA worker notification program.

- Ceramic wall tile-white
- Ceramic wall tile-green
- Ceramic wall tile-orange/brown
- Ceramic wall tile- white
- Ceramic wall tile-gray/white
- Ceramic pool edge-blue
- Ceramic wall tile-white/gray
- Ceramic wall tile-tan
- Ceramic floor tile-tan
- Ceramic pool edge-blue (exterior pool)

## C.3. Miscellaneous Regulated Waste

A visual inspection for miscellaneous regulated waste materials that require separate handling and disposal prior to disturbance during building demolition was also performed as part of this assessment. The following is a list of items documented at the site:

**C.3.a. Poly-Chlorinated Biphenyls (PCBs)**

- Transformers
- Capacitors
- Light ballasts

**C.3.b. Mercury**

- Batteries – smoke detectors, emergency lighting, and security system, exit signs.
- Lighting – fluorescent lamps, explosion proof lighting, high-intensity discharge and high-pressure sodium lamps, “silent” wall switches.
- Heating – unit heater controls, thermostats, aquastats, boiler controls, firestats, flame sensors, gauges, manometer, pressurestats, space heater controls, thermometers, unit heater controls.
- Electrical Systems – electrical panels, load meters, supply relays, control switches, elevator control panels.
- 

**C.3.c. Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFCs)**

- Refrigerants – HVAC units, air-conditioning units, drinking water fountains, fire extinguishers, chillers, dehumidifiers, fire suppression system, food display cases, refrigerators, walk-in coolers.

**C.3.d. Hazardous Waste**

- Petroleum products - machine oil, oils in miscellaneous motors and door closers, spray lubricants, hydraulic fuel tanks, hydraulic lift reservoirs, motors.
- Chemicals - paints cans, lacquer thinners, aerosol paints, antifreeze, boiler chemicals, pool chemicals, paint drums, polyurethane, solvents, and stains.
- Electrical - Electrical panels, fuses, motors, pumps, switch gears.
- Lead - Exit signs, lead ring caps (rooftop), security systems.

**C.3.e. Miscellaneous**

- |                                    |                         |
|------------------------------------|-------------------------|
| ▪ Clothes dryer                    | ▪ Antifreeze            |
| ▪ Clothes washer                   | ▪ Water softener        |
| ▪ Stove/oven                       | ▪ Grease                |
| ▪ Microwave ovens                  | ▪ Industrial lubricants |
| ▪ Miscellaneous cleaning supplies  | ▪ Motors                |
| ▪ Overhead garage door openers     | ▪ Pumps                 |
| ▪ Printer inks                     | ▪ Air compressors       |
| ▪ Silicon spray lubricant          | ▪ Automotive parts      |
| ▪ Televisions, computers, monitors | ▪ Lawn equipment        |
| ▪ Water heater                     | ▪ Tires                 |

## **D. Discussion**

### **D.1. Asbestos-Containing Materials**

#### **D.1.a. Friable ACM**

The following asbestos-containing materials are classified as friable materials according to EPA 40 CFR Part 61 National Emission Standard for Hazardous Air Pollutants (NESHAPs):

##### **1963 Original Building**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1963 building contains 6 percent chrysotile.
- 2-foot by 2-foot ceiling panel (fissured) located in the basement accounting office contains 2 percent chrysotile.
- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located in the basement area contains 5 percent chrysotile and 5 percent amosite.
- Boiler door insulation (assumed due to sampling constraints).
- Boiler exterior / interior gasket materials (assumed due to sampling constraints).
- Boiler interior components, including insulation, refractory, thermal system insulation materials (assumed due to sampling constraints).
- Chiller insulation (white fibrous) located in the basement boiler room contains 20 percent chrysotile.
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Spray-applied ceiling texture (blue) on the exterior drive up north overhang contains 2 percent chrysotile.
- Spray-applied ceiling texture located in the N.E stairwell contains 2 percent chrysotile.
- Spray-applied fireproofing (rigid) located throughout common areas, rooms and hallways contains 15 percent chrysotile.
- Tank insulation (white fibrous) located in the basement boiler room contains 20 percent chrysotile and 20 percent amosite.

##### **1965 Addition**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1965 building contains 6 percent chrysotile.
- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located in the 1965 addition contains 5 percent chrysotile and 5 percent amosite.
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Spray-applied fireproofing (rigid) located throughout rooms and hallways contains 20 percent chrysotile.

##### **1967 Addition**

- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipes located throughout 1967 building contains 2 percent amosite.
- 1-inch to 6-inch pipe-fitting insulation on fiberglass insulated pipe located throughout 1967 building contains 25 percent chrysotile.

- 7-inch to 12-inch pipe-fitting insulation on fiberglass insulated pipe located in the basement area contains 5 percent chrysotile and 5 percent amosite.
- Boiler breeching (white fibrous) located in the boiler room contains 20 percent amosite and 20 percent chrysotile.
- Boiler burner gasket (white fibrous) contains 95 percent chrysotile.
- Boiler door insulation (assumed due to sampling constraints).
- Boiler exterior / interior gasket materials (assumed due to sampling constraints).
- Boiler interior components, including insulation, refractory, thermal system insulation materials (assumed due to sampling constraints).
- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Tank insulation (white fibrous) located in boiler room contains 20 percent amosite and 20 percent chrysotile.

#### **1974 Addition**

- Fire Doors (white core) throughout the building contains 25 percent chrysotile and 25 percent amosite.
- Spray-applied ceiling texture located throughout 1974 addition contains 2 percent chrysotile.

**Note:** Electrical wire insulation was not sampled for asbestos content as part of this evaluation due to electrical systems were energized. These systems should be inspected for asbestos content prior to any building renovation/demolition activities once all electrical is de-energized.

**Note:** The various as-built drawings called out the use of “Permalite or equal” loose fill insulation within the block walls. Additionally, during the inspection vermiculite was observed in the concrete block wall cavities in the second floor banquet pantry location. The samples collected of the vermiculite insulation indicated 0.25% Actinolite (asbestos) content using point count method. However, due to the “scientific uncertainties associated with existing analytical techniques” the EPA and MPCA recommend assuming that all vermiculite insulation contains asbestos. This is a developing issue with the regulatory agencies and it is our recommendation to request a specific interpretation for the site.

The above friable ACMs were observed to be in good condition at the time of our assessment. These materials should be maintained in good condition to prevent potential exposure to asbestos. Friable ACMs are to be removed prior to disturbance by demolition in accordance with applicable state and federal regulations.

#### **D.1.b. Category I Non-Friable ACM**

The following asbestos-containing materials are classified as Category I non-friable materials according to EPA 40 CFR Part 61 National Emission Standard for Hazardous Air Pollutants (NESHAPs):

#### **1963 Original Building**

- 12-inch by 12-inch floor tile (beige) cross contaminated with associated mastic (black).
- 12-inch by 12-inch floor tile (brown streaks) located in the basement laundry room contains 3 percent chrysotile.
- 12-inch by 12-inch floor tile (brown streaks) located in the storage room by the accounting office contains 2 percent chrysotile.



- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the first level housekeeping storage room contains 3 percent chrysotile.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the second level West Menomonie mechanical rm. Contains 10 percent chrysotile.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (beige) located in the basement laundry room contains 6 percent chrysotile.
- Mastic (black) located on the walls in the basement storage room, off of hallway, contains 10 percent chrysotile.
- Asphalt roof base located on the east roof contains 25 percent chrysotile.
- Asphalt roof base (with silver paint) located on the east roof contains 6 percent chrysotile.
- Asphalt roof flashing (with silver paint) located on the west roof contains 8 percent chrysotile.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof contains 8 percent chrysotile.
- Foundation block wall waterproofing (black) contains 4 percent chrysotile.

#### **1965 Addition**

- 12-inch by 12-inch floor tile (brown flecked) cross-contaminated with asbestos-containing black mastic.
- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located in the second level storage room by SW stairwell contains 6 percent chrysotile.
- Asphalt roof flashing (with silver paint) located on the East roof contains 2-6 percent chrysotile on the silver paint and 25-35 percent chrysotile on the asphalt flashing.
- Assumed foundation block wall waterproofing (black) contains 4 percent chrysotile (limited access).

#### **1967 Addition**

- 9-inch by 9-inch floor tile (tan striated) located on the first floor hallway contains 8 percent chrysotile and its associated mastic (black) contains 6 percent chrysotile.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof contains 15 percent chrysotile.
- Foundation block wall waterproofing (black) contains 6 percent chrysotile.

#### **1979 Addition**

- Mastic (black) associated with the 12-inch by 12-inch floor tile (brown flecked) located on first floor by room 401 and second floor storage by SW stairwell.
- Asphalt tarry seam sealer/patching (gray/black) located throughout the roof area contains 6-15 percent chrysotile.

The above Category I non-friable ACMs were observed to be in good condition at the time of our assessment. These materials should be maintained in good condition to prevent potential exposure to asbestos. Category I non-friable ACMs are not considered a hazard unless cut, drilled, sanded, or otherwise abraded. However, any Category I material that may become friable during demolition must be removed prior to that activity. Secondly, if left in place, the crushing or recycling of demolition debris is strictly prohibited. In addition, all demolition debris containing Category I materials must be disposed of at a landfill specifically permitted to accept this type of waste.

**D.1.c. Category II Non-Friable ACM**

The following asbestos-containing materials are classified as Category II non-friable materials according to EPA NESHAPs:

**1963 Original Building**

- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 12 and 15 percent chrysotile.
- Adhesive (black) on the back of the mirrors located in the N.E. stairwell contains 20 percent chrysotile.
- Adhesive (tan) on backs of mirrors behind sinks throughout rooms contains 8 percent chrysotile.
- Adhesive (black) located on a wall in the basement storage area contains 4 percent chrysotile.
- Adhesive (black) located on exterior Styrofoam panels contains 4 percent chrysotile.
- Adhesive (brown) located on the first level banquet storage area contains 5 percent chrysotile.
- Caulking (gray) located on exterior base of window panels contains 8 percent chrysotile.
- Duct seam gasket-(black) located in the mechanical room by the second level banquet pantry area contains 50 percent chrysotile.
- Duct seam gaskets-(white woven cloth) on HVAC duct units on rooftop contains 95 percent chrysotile.
- Glazing- (gray) located on exterior windows contains 3 percent chrysotile.
- Glazing-(gray) located on the interior window in the accounting office contains 8 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

**1965 Addition**

- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 10 percent chrysotile.
- Caulking (gray) located on exterior window contains 4 percent chrysotile.
- Glazing (gray) located on interior/exterior windows contains 2-5 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

**1967 Addition**

- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 15 percent chrysotile.
- Adhesive (tan) behind decorative rock located in the pool area contains 4 percent chrysotile.
- Adhesive (tan) on back of mirrors located along side of the beds throughout the rooms contain 15 percent chrysotile.
- Adhesive (tan) on Styrofoam above window panels located throughout rooms contains 6 percent chrysotile.
- Glazing (gray brittle) located on the all exterior windows contain 4 percent chrysotile.
- Glazing (gray) located on all interior windows contains 15 percent chrysotile.
- Glazing (transite window panel) located throughout rooms contains 15 percent chrysotile.

- Transite panels located in the pool area contains 20 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

**1974 Addition**

- Sink undercoating (gray) located throughout rooms contains 4 percent chrysotile.
- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 15 percent chrysotile.
- Transite window panels (interior/exterior sandwich with insulation) located throughout the building contains 20 percent chrysotile.

**1979 Addition**

- Adhesive (black) on back of mirrors behind sinks throughout rooms contains 20 percent chrysotile.

The above Category II non-friable ACMs were observed to be in good condition at the time of our assessment. These materials should be maintained in good condition to prevent potential exposure to asbestos. Category II non-friable ACMs are not considered a hazard unless cut, drilled, sanded, or otherwise abraded. However, Category II non-friable ACMs that may become friable during demolition must be removed prior to that activity. In accordance with applicable state and federal regulations.

## **D.2. Lead-Based Paint**

Building components with lead-based paint should be maintained in good condition. If lead-based paint is to be disturbed during renovation, contractors should follow “Lead Safe Work Practices” and the OSHA Lead in Construction Standard. If the building were to be demolished in its entirety, building components with lead paint are not required to be removed or disposed of as lead or hazardous waste. Any lead-based paint-containing demolition waste and/or debris generated during building renovation or demolition should be subject to proper handling and disposal, consistent with applicable regulations and requirements.

The U.S. OSHA Lead in Construction Standard 29 Code of Federal Regulations (CFR) 1926.62 applies to all situations where employees are engaged in the disturbance of lead-containing coatings, regardless of the quantity of lead involved. Therefore, any XRF result above 0.0 mg/cm<sup>2</sup> is considered “lead-containing coatings” in order to be in compliance with the OSHA standard. Demolition of the building may involve disturbing lead-containing coatings. Contractors should be informed of the presence of lead coatings and that they will be required to comply with the OSHA lead standard.

## **D.3. Miscellaneous Regulated Waste**

In the case of building renovation/demolition, any of the miscellaneous regulated waste items listed in Section C.3 that will be disturbed, must be removed prior to disturbance and must be recycled or disposed of in accordance with state and federal guidelines.

## E. Limitations

In any building, the potential exists for hazardous building materials to be located inside walls, above ceilings, under floors, and other inaccessible areas. Destructive investigation was performed in an attempt to locate hazardous materials in inaccessible areas of the building. However, it was not feasible to inspect 100 percent of these areas. Also, the potential exists for hazardous materials to be found outside the building buried underground. Braun Intertec cannot be held responsible for the presence of any such hidden materials. In the case of building demolition, contractors involved in the project should be made aware of this potential. If previously unidentified suspect hazardous building materials are exposed during their activities they should be sampled and analyzed for content prior to any disturbance.

**Note:** The possibility exists for asbestos containing materials to be present in currently inaccessible chases, wall cavities, above hard ceilings, inside block walls, crawlspace and exterior foundations.

**Note:** Various electrical systems were identified during the survey. These systems were believed to be currently “charged” and active. Suspect materials are located within these electrical boxes, control panels (breaker bars, insulation, and electrical wire insulation). For the purpose of this report, all electrical systems associated in these areas assessed are to be assumed to contain asbestos until proven otherwise by sampling and analysis.

**Note:** Concrete block walls and concrete foundations were noted at the time of the inspection. It should be noted that “vermiculite” insulation may be present inside the concrete block and/or under concrete slab-on grade floors. Additionally, the potential exists for waterproofing materials, sealants and adhesives may be present on the exterior foundation walls and/or below grade footings. For the purpose of this report, all insulation, sealants and adhesives associated the below grade foundation/footing systems shall be assumed to contain asbestos until proven otherwise by sampling and analysis.

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

## F. Asbestos Building Inspector Certification

I, the undersigned, do hereby certify that I am an accredited Asbestos Building Inspector in the State of Minnesota. A photocopy of my current asbestos inspector certificate is attached in Appendix F.

Signature:  Date: 6/30/16

John W. Hauschildt

Environmental Technician

Minnesota Department of Health Asbestos Inspector No: AI 2877

Signature:  Date: 6/30/16

Shawn J. Cazett

Environmental Technician

Minnesota Department of Health Asbestos Inspector No: AI10276

## **Appendix A**

### **Table I. Asbestos Building Inspection Results**

**Table I. Asbestos Building Inspection Results**

Client: The Port Authority of the City of Bloomington, MN

Location: Ramada (former Thunderbird), 2300 East American Blvd., Bloomington, MN

Date of Inspection: May 23 - June 7, 2016

Project: B1604822

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
<b>1963 - Original Construction</b>							
1963	Basement - Boiler Room	Boiler gasket (rear)	No	1	20 lin. ft.	ND	0
1963	Basement - Boiler Room	Boiler door gasket (burner side)	No	2	30 lin. ft.	ND	0
1963	Basement - Boiler Room	Boiler door insulation	Assume	---	60 ft <sup>2</sup>	ND	2
1963	Basement - Boiler Room	Boiler refractory	Assume	---	60 ft <sup>2</sup>	ND	2
1963	Basement - Boiler Room	Boiler brick	Assume	---	250 ft <sup>2</sup>	ND	0
1963	Basement - Boiler Room	Boiler jacket insulation (fiberglass)	No	3	250 ft <sup>2</sup>	ND	0
1963	Basement - Boiler Room	Boiler stack insulation	No	4A-C	300 ft <sup>2</sup>	ND	0
1963	Basement - Boiler Room	Boiler header insulation (red)-fibrous wrap over- fiberglass	No	5A-C	100 ft <sup>2</sup>	ND	0
1963	Basement - Boiler Room	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	275 fittings	ND	2
1963	Basement - Boiler Room	7"- 12" Pipe fitting insulation on fiberglass insulated pipe	Yes	7A-C	150 fittings	ND	2
1963	Basement - Boiler Room	Chiller insulation and components	Yes	8A-C	150 ft <sup>2</sup>	ND	2
1963	Basement - Boiler Room	Tank insulation	Yes	9A-C	150 ft <sup>2</sup>	ND	2
1963	Basement - Boiler Room	Fiberglass duct seam tape	No	10	100 lin. ft.	ND	0
1963	Basement - Boiler Room	Duct vibration gasket (black)	No	11	30 lin. ft.	ND	0
1963	Basement - Boiler Room	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	20 fittings	ND	2
1963	Basement - Engineer Shop	Duct and duct seam tape adhesive (tan)	No	12	225 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Basement - Storage Areas	1" - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	70 fittings	ND	2
1963	Basement - Storage Areas	Wall adhesive (black)	No	13	10 ft <sup>2</sup>	ND	0
1963	Basement - Storage Areas	Wall carpet adhesive (tan)	No	14	800 ft <sup>2</sup>	ND	0
1963	Basement - Storage Areas	Ceramic floor tile adhesive with grout (red/brown)	No	15	300 ft <sup>2</sup>	ND	0
1963	Basement - Storage Areas	Sheetrock/joint compound	No	16A-G	180 ft <sup>2</sup>	ND	0
1963	Basement - Storage (by Accounting)	12" x 12" Floor tile (brown-streaks) with black mastic	FT: Yes Mastic: No	17	300 ft <sup>2</sup>	ND	1
1963	Basement - Storage (by Accounting)	Vinyl baseboard (brown) with adhesive (tan)	No	18	75 lin. ft.	ND	0
1963	Basement - Accounting	2' x 2' Ceiling panel- fissured	Yes	19	1,470 ft <sup>2</sup>	ND	2
1963	Basement - Accounting	2' x 2' Ceiling panel- fissured (recessed edge)	No	20	170 ft <sup>2</sup>	ND	0
1963	Basement - Accounting	Wall paper with adhesive	No	21	1,100 ft <sup>2</sup>	ND	0
1963	Basement - Accounting	Carpet adhesive (tan)	No	22	1,340 ft <sup>2</sup>	ND	0
1963	Basement - Accounting	1" - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	13	ND	2
1963	Basement - Accounting	Wall paper adhesive (black)	No	23	330 ft <sup>2</sup>	ND	0
1963	Basement - Accounting	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	Basement - Accounting	Interior window glazing	Yes	24	15 lin. ft.	ND	1
1963	Basement - Catering Sales, AV Room, Storage	2' x 2' Ceiling panel- pocked	No	25	1,015 ft <sup>2</sup>	ND	0
1963	Basement - Catering Sales, AV Room, Storage	2' x 2' Ceiling panel- textured	No	26	650 ft <sup>2</sup>	ND	0



Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Basement - Catering Sales, AV Room, Storage	Wainscoting with adhesive (white)	No	27	200 ft <sup>2</sup>	ND	0
1963	Basement - Catering Sales, AV Room, Storage	Wall paper with adhesive	No	21	2,800 ft <sup>2</sup>	ND	0
1963	Basement - Catering Sales, AV Room, Storage	Carpet adhesive (tan)	No	22	1,665 ft <sup>2</sup>	ND	0
1963	Basement - Catering Sales, AV Room, Storage	Wall paper adhesive (black)	No	23	500 ft <sup>2</sup>	ND	0
1963	Basement - Catering Sales, AV Room, Storage	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	8 fittings	ND	2
1963	Basement - Pop Storage	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	26 fittings	ND	2
1963	Basement - Pop Storage	Duct vibration gasket (black)	No	11	2 ft <sup>2</sup>	ND	0
1963	Basement- Men's & Women's Room	Ceramic Floor tile adhesive with grout (brown)	No	28	1,600 ft <sup>2</sup>	ND	0
1963	Basement- Men's & Women's Room	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	10 fittings	ND	2
1963	Basement- Men's & Women's Room	Mirror adhesive (black)	Yes	29	6 ft <sup>2</sup>	ND	1
1963	Basement- Storage (off Hall)	Wall mastic (black)	No	30	1,100 ft <sup>2</sup>	ND	0
1963	Basement - Engineer's Office	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	18 fittings	ND	2
1963	Basement - Engineer's Office- Chase Entry	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	22 fittings (est.)	ND	2
1963	Basement - Engineer's Office- Chase Entry	Fire Brick (white) in boxes	No	31	30 ft <sup>2</sup>	ND	0
1963	Basement - Engineer's Office- Chase Entry	Insulation (white) laying on ground	No	32	20 ft <sup>2</sup>	ND	0
1963	Basement - Transformer Rooms	Wall mastic (black)	Yes	29	30 ft <sup>2</sup>	ND	1

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Basement - Hallway (Engineer's Office)	Fire door insulation (white)	Yes	33	2 Doors	ND	2
1963	Basement - Hallway (Engineer's Office)	Ceramic wall tile with adhesive and grout (tan)	No	34	4,000 ft <sup>2</sup>	ND	0
1963	Basement - Hallway (Engineer's Office)	Ceramic floor tile with adhesive and grout (brown/red)	No	28	1,500 ft <sup>2</sup>	ND	0
1963	Basement - Hallway (Engineer's Office)	Wall carpet adhesive (tan)	No	14	300 ft <sup>2</sup>	ND	0
1963	Basement - Hallway (Engineer's Office)	1" - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	20	ND	2
1963	Basement - Hallway (Engineer's Office)	2' x 2' Ceiling panel- fine textured	No	35	750 ft <sup>2</sup>	ND	0
1963	Basement - Hallway (Engineer's Office)	Carpet adhesive (tan)	No	22	750 ft <sup>2</sup>	ND	0
1963	Basement - Sprinkler Riser Room	7" - 12" Pipe fitting insulation on fiberglass insulated pipe	Yes	7A-C	14 fittings	ND	2
1963	Basement - Elevator Lobby & Closet	Spray applied fireproofing on beams (gray)	No	37A-C	150 ft <sup>2</sup>	ND	0
1963	Basement - Elevator Lobby & Closet	Wall paper and adhesive	No	36	400 ft <sup>2</sup>	ND	0
1963	Basement - Elevator Lobby & Closet	Carpet adhesive (tan)	No	22	100 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Spray applied fireproofing (gray)- rigid	Yes	38A-G	300 ft <sup>2</sup>	ND	2
1963	First Floor - Entry #2 Hall/Rooms	Duct adhesive (red/brown)	No	39	300 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	2' x 2' Ceiling panel- textured	No	40	50 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Wood baseboard adhesive (white)	No	41	100 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Entry #2 Hall/Rooms	2' x 2' Ceiling panel- fissured	No	42	230 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Plaster	No	43A-G	Throughout	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Carpet adhesive (tan)	No	44	1,600 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Terrazzo flooring	No	45	1,600 ft <sup>2</sup>	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Duct seam caulking (gray)	No	46	Throughout	ND	0
1963	First Floor - Entry #2 Hall/Rooms	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor - Elevator Lobby	Spray applied fireproofing (gray)- fluffy	No	37A-C	50 ft <sup>2</sup>	ND	0
1963	First Floor - Elevator Lobby	Carpet adhesive (tan)	No	44	175 ft <sup>2</sup>	ND	0
1963	First Floor - Elevator Lobby	Wood baseboard adhesive (white)	No	41	15 ft <sup>2</sup>	ND	0
1963	First Floor - Elevator Lobby	Plaster	No	43 A-G	Throughout	ND	0
1963	First Floor - Elevator Lobby	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor - Main Lobby, Pub, Café	Plaster	No	43A-G	Throughout	ND	0
1963	First Floor - Main Lobby, Pub, Café	Terrazzo flooring	No	45	160 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Vinyl flooring (brown)- wood grain	No	47	1,610 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Ceramic floor tile with adhesive and grout (black)	No	48	400 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Carpet adhesive (yellow)	No	49	950 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Wall stone (red/gray) with mortar	No	52	175 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Duct adhesive (red/brown)	No	39	1,600 ft <sup>2</sup>	ND	0

**Table I. Asbestos Building Inspection Results**  
2300 East American Blvd., Bloomington, MN 55425  
Project B1604822  
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Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Main Lobby, Pub, Café	Duct seam caulking (gray)	No	46	Throughout	ND	0
1963	First Floor - Main Lobby, Pub, Café	Wood baseboard adhesive (white)	No	41	75 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor - Main Lobby, Pub, Café	Ceramic wall tile with adhesive and grout (gray)	No	50	100 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Stone wall tile with adhesive and grout (gray)	No	51	100 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Wall stone (red/gray) with mortar	No	52	100 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café - Restrooms	12" x 24" Ceramic tile with adhesive and grout (gray)	No	53	700 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Carpet adhesive (tan)	No	44	2,300 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	2' x 2' Ceiling panel- textured	No	40	180 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	2' x 2' Ceiling panel- sheetrock	No	54	80 ft <sup>2</sup>	ND	0
1963	First Floor - Main Lobby, Pub, Café	Duct vibration gasket (black)	No	11	30 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	2' x 4' Ceiling panel- sheetrock	No	55	5,200 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	Ceramic floor tile adhesive with grout (red/brown)	No	15	8,000 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	Ceramic wall tile with adhesive and grout (tan)	No	34	5,200 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	1" - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	160 fittings	ND	2
1963	First Floor - Kitchen & Storage	Residual wall caulk (gray)	No	59	12 lin. ft.	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Kitchen & Storage	>12" Roof drain fitting insulation	No	56A-C	3 fittings	ND	0
1963	First Floor - Kitchen & Storage	Block glazing (yellow)	No	57	3,500 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	12" x 12" Floor tile (white) with adhesive	No	58	75 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	Plaster overspray	No	43A-G	500 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	Duct adhesive (red/brown)	No	39	150 lin. ft.	ND	0
1963	First Floor - Kitchen & Storage	Residual wall caulk (white)	No	60	25 lin. ft.	ND	0
1963	First Floor - Kitchen & Storage	Block glazing (orange)	No	61	1,000 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	2' x 4' Ceiling panel- pocked	No	62	200 ft <sup>2</sup>	ND	0
1963	First Floor - Kitchen & Storage	Fire door insulation	Yes	33	2 Doors	ND	2
1963	First Floor - Kitchen & Storage	Walk-In-Cooler -seam caulk (gray)	No	63	280 lin. ft.	ND	0
1963	First Floor - Banquet Storage Area	Wall adhesive (brown)	Yes	64	400 ft <sup>2</sup>	ND	1
1963	First Floor - Banquet Storage Area	Plaster	No	43A-G	Throughout	ND	1
1963	First Floor - Banquet Storage Area	Carpet adhesive	No	44	1,800 ft <sup>2</sup>	ND	0
1963	First Floor - Banquet Storage Area	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	20 fittings	ND	2
1963	First Floor - Banquet Storage Area	Residual wall paper adhesive (brown)	No	65	600 ft <sup>2</sup>	ND	0
1963	First Floor - Banquet Storage Area	Carpet adhesive with black mastic	No	66	3,000 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Laundry Room	12" x 12" Floor tile (brown-streaks) with black mastic	FT: Yes Mastic: No	67	1,620 ft <sup>2</sup>	ND	1
1963	First Floor - Laundry Room	12" x 12" Floor tile (beige) with black mastic	FT: No Mastic: Yes	68	700 ft <sup>2</sup>	ND	1
1963	First Floor - Laundry Room	12" x 12" Floor tile (tan) with black mastic	No	69	300 ft <sup>2</sup>	ND	0
1963	First Floor - Laundry Room	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	75 fittings	ND	1
1963	First Floor - Laundry Room	Duct vibration gasket (white)	No	70	4 ft <sup>2</sup>	ND	0
1963	First Floor - Laundry Room	Iron machine roller canvas	No	71	100 ft <sup>2</sup>	ND	0
1963	First Floor - Laundry Room	Vinyl baseboard (brown) with adhesive (tan)	No	18	210 lin. ft.	ND	0
1963	First Floor - Laundry Room - Hall	2' x 4' Ceiling panel-sheetrock	No	55	1,220 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-153	Spray applied fireproofing on beams (rigid)	Yes	38A-E	4,000 ft <sup>2</sup>	ND	2
1963	First Floor - Rooms 100-153	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	650 fittings	ND	2
1963	First Floor - Rooms 100-153	Transite window panels	Yes	74	2,500 ft <sup>2</sup>	ND	2
1963	First Floor - Rooms 100-153	Mirror adhesive (black / tan) behind sink	Yes	73, 79	1,000 ft <sup>2</sup>	ND	1
1963	First Floor - Rooms 100-119	2' x 2' Ceiling panel- fissured	No	72	2,000 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Interior window glazing	No	75	1,200 lin. ft.	ND	0
1963	First Floor - Rooms 100-119	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor - Rooms 100-119	Sheetrock wall adhesive (gray)	No	76	600 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Ceramic floor tile (white) with adhesive and grout	No	77	300 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Ceramic wall tile (white) with adhesive and grout	No	78	3,000 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Sink counter adhesive (white) tile onto wood	No	80	240 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Rooms 100-119	Carpet adhesive (tan)	No	44	5,400 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Transite window panel caulking (tan)	No	81	600 lin. ft.	ND	0
1963	First Floor - Rooms 100-119	Mirror adhesive (black) - upright mirror	No	82	240 lin. ft.	ND	0
1963	First Floor - Rooms 100-119	2' x 4' Ceiling panel- pocked	No	83	480 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Wall paper and adhesive	No	84	9,000 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Counter top tile with mortar (brown)	No	85	240 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	2' x2' Ceiling panel-pocked	No	91	3,400 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119	Plaster	No	43A-E	Throughout	ND	0
1963	First Floor - Rooms 100-119	Skim coat- on block wall	No	(87) 92A-F	Throughout	ND	0
1963	First Floor - Rooms 100-119 - Hallway	2' x 2' Ceiling panel- pocked	No	86	1,050 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119 - Hallway	Carpet adhesive (tan)	No	44	1,050 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119 - Hallway	Wall skim coat (on block wall)	No	(87) 92A-F	4,000 ft <sup>2</sup>	ND	0
1963	First Floor - Rooms 100-119 - Hallway	Wallpaper adhesive (tan)	No	88	4,000 ft <sup>2</sup>	ND	0
1963	First Floor - Office (Across from Room 119)	2' x 2' Ceiling panel- pocked	No	86	270 ft <sup>2</sup>	ND	0
1963	First Floor - Office (Across from Room 119)	Carpet adhesive (tan)	No	44	270 ft <sup>2</sup>	ND	0
1963	First Floor - Office (Across from Room 119)	Interior window glazing (brown)	No	89	24 lin. ft.	ND	0
1963	First Floor - Office (Across from Room 119)	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor - Office House Cleaning - Storage	12" x12" Floor tile (brown-flecked) with mastic	FT: No Mastic: Yes	90	510 ft <sup>2</sup>	ND	1

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor - Office - House Cleaning - Storage	Vinyl baseboard (brown) with adhesive (tan)	No	18	75 lin. ft.	ND	0
1963	First Floor - Office - House Cleaning - Storage	1" - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	25 fittings	ND	2
1963	First Floor Rooms 120-153	2' x2' Ceiling panel-pocked	No	91	11,050 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Interior window glazing	No	75	2,040 lin. ft.	ND	0
1963	First Floor Rooms 120-153	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	First Floor Rooms 120-153	Countertop tile and mortar (brown)	No	85	70 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Sheetrock wall adhesive (gray)	No	76	1,020 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Ceramic floor tile (white) with adhesive and grout	No	77	510 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Ceramic wall tile (white) with adhesive and grout	No	78	5,100 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Sink counter adhesive (white) tile onto wood	No	80	410 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Carpet adhesive (tan)	No	44	11,050 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Transite window panel caulking (tan)	No	81	1,020 lin. ft.	ND	0
1963	First Floor Rooms 120-153	Mirror adhesive (black) upright mirror	No	82	410 lin. ft.	ND	0
1963	First Floor Rooms 120-153	2' x 4' Ceiling panel- pocked	No	83	820 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Wall paper and adhesive	No	84	17,000 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Countertop tile with mortar (brown)	No	85	410 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Plaster	No	43A-E	Throughout	ND	0
1963	First Floor Rooms 120-153	Skim coat- on block wall	No	(87) 92A-F	Throughout	ND	0
1963	First Floor Rooms 120-153	Wall paper and adhesive	No	86	1,600 ft <sup>2</sup>	ND	0



Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	First Floor Rooms 120-153	Carpet adhesive (tan)	No	44	1,600 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Wall skim coat (on block wall)	No	(87) 92A-F	5,000 ft <sup>2</sup>	ND	0
1963	First Floor Rooms 120-153	Wall paper adhesive	No	88	5,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	2' x 2' Ceiling panel- pocked	No	93	4,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	12" x 12" Ceiling tile- fissured with adhesive (brown)	No	94	3,400 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Spray applied fireproofing on beams (rigid)	Yes	38A-E	1,400 ft <sup>2</sup>	ND	2
1963	Second Floor - Rooms 200-219	Transite window panels	Yes	74	800 ft <sup>2</sup>	ND	2
1963	Second Floor - Rooms 200-219	Interior window glazing	No	75	1,200 lin. ft.	ND	0
1963	Second Floor - Rooms 200-219	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	Second Floor - Rooms 200-219	Sheetrock wall adhesive (gray)	No	76	100 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Ceramic floor tile (white) with adhesive and grout	No	77	300 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Ceramic wall tile (white) with adhesive and grout	No	78	3,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253 - Hallway	Spray applied fireproofing on beams (rigid)	Yes	38A-E	4,000 ft <sup>2</sup>	ND	2
1963	Second Floor - Rooms 200-253	Transite window panels	Yes	74	2,500 ft <sup>2</sup>	ND	2
1963	Second Floor - Rooms 200-253	Mirror adhesive- tan pucks (behind sink)	Yes	79	1,000 ft <sup>2</sup>	ND	1
1963	Second Floor - Rooms 200-253	Transite window panel caulking (tan)	No	81	1,500 lin. ft.	ND	0
1963	Second Floor - Rooms 200-219	Sink counter adhesive (white) tile onto wood	No	80	240 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Carpet adhesive (tan)	No	44	5,400 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Mirror adhesive - black (upright mirror)	No	82	240 lin. ft.	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Second Floor - Rooms 200-219	2' x 4' Ceiling panel- pocked	No	83	480 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Wall paper and adhesive	No	95	9,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Countertop tile with mortar (brown)	No	85	240 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219	Plaster	No	43A-E	Throughout	ND	0
1963	Second Floor - Rooms 200-219	Skim coat- on block wall	No	(87) 92A-F	Throughout	ND	0
1963	Second Floor - Rooms 200-219	2' x 2' Ceiling panel- textured	No	96	1,500 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219 - Hallway	2' x 2' Ceiling panel- pocked	No	93	1,050 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219 - Hallway	Carpet adhesive (tan)	No	44	1,050 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219 - Hallway	Skim coat- on block wall	No	(87) 92A-F	4,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-219 - Hallway	Wall paper and adhesive	No	88	4,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	2' x 2' Ceiling panel- pocked	No	93	11,050 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	12" x 12" Ceiling tile- fissured with adhesive (brown)	No	94	10,200 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Interior window glazing	No	75	2,040 lin. ft.	ND	0
1963	Second Floor - Rooms 200-253	Sheetrock/joint compound	No	16A-G	Throughout	ND	0
1963	Second Floor - Rooms 200-253	Sheetrock wall adhesive (gray)	No	76	1,020 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Ceramic floor tile (white) with adhesive and grout	No	77	510 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Ceramic wall tile (white) with adhesive and grout	No	78	5,100 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Sink counter adhesive (white) tile onto wood	No	80	200 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Carpet adhesive (tan)	No	44	11,050 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Second Floor - Rooms 200-253	Mirror adhesive - black (upright mirror)	No	82	410 lin. ft.	ND	0
1963	Second Floor - Rooms 200-253	2' x 4' Ceiling panel- pocked	No	83	820 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Wall paper and adhesive	No	95	17,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Countertop tile with mortar (brown)	No	85	410 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253	Plaster	No	43A-E	Throughout	ND	0
1963	Second Floor - Rooms 200-253	Skim coat- on block wall	No	(87) 92A-F	Throughout	ND	0
1963	Second Floor - Rooms 200-253 - Hallway	2' x 2' Ceiling panel- pocked	No	93	1,600 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253 - Hallway	Carpet adhesive (tan)	No	44	1,600 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253 - Hallway	Skim coat- on block wall	No	(87) 92A-F	5,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Rooms 200-253 - Hallway	Wall paper and adhesive	No	88	5,000 ft <sup>2</sup>	ND	0
1963	Second Floor - Women's Room	2" x 2" Ceramic floor tile (white) with adhesive and grout	No	97	20 ft <sup>2</sup>	ND	0
1963	Second Floor - Women's Room	1" x 1" Ceramic floor tile (multi-color) with adhesive and grout	No	98	200 ft <sup>2</sup>	ND	0
1963	Second Floor - Women's Room	Ceramic wall tile (multi-color) with adhesive and grout	No	99	800 ft <sup>2</sup>	ND	0
1963	Second Floor - Women's Room	Ceramic base (white) with adhesive and grout	No	100	20 lin. ft.	ND	0
1963	Second Floor - Women's Room	2' x 2' Ceiling panel- textured	No	96	220 ft <sup>2</sup>	ND	0
1963	Second Floor - Men's Room	1" x 1" Ceramic floor tile (tan/brown) with adhesive and grout	No	101	300 ft <sup>2</sup>	ND	0
1963	Second Floor - Men's Room	1" x 1" Ceramic wall tile (tan/brown) with adhesive and grout	No	102	800 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Second Floor - Men's Room	2" x 2" Ceramic wall tile (tan) with adhesive and grout	No	103	300 ft <sup>2</sup>	ND	0
1963	Second Floor - Men's Room	2' x 2' Ceiling panel- textured	No	96	300 ft <sup>2</sup>	ND	0
1963	Second Floor - Men's Room & Women's Room	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	40 fittings	ND	2
1963	Second Floor - Check-in Room	2' x 2' Ceiling panel- pocked	No	93	800 ft <sup>2</sup>	ND	0
1963	Second Floor - Check-in Room	Plaster	No	43A-E	Throughout	ND	0
1963	Second Floor - Check-in Room	Carpet adhesive (tan)	No	44	800 ft <sup>2</sup>	ND	0
1963	Second Floor - Check-in Room	Ceramic floor tile adhesive with grout (red/brown)	No	15	800 ft <sup>2</sup>	ND	0
1963	Second Floor - Hall of Tribes	2' x 2' Ceiling panel- textured	No	96	7,200 ft <sup>2</sup>	ND	0
1963	Second Floor - Hall of Tribes	Carpet adhesive (tan)	No	44	7,200 ft <sup>2</sup>	ND	0
1963	Second Floor - Hall of Tribes	Duct seam caulking (gray)	No	46	120 lin. ft.	ND	0
1963	Second Floor - Hall of Tribes	Duct seam caulking (red/brown)	No	39	120 lin. ft.	ND	0
1963	Second Floor - Hall of Tribes	Skim coat- on block wall	No	(87) 92A-F	Throughout	ND	0
1963	Second Floor - Hall of Tribes	Wall paper and adhesive	No	95	Throughout	ND	0
1963	Second Floor - Hall of Tribes	Plaster	No	43A-E	Throughout	ND	0
1963	Second Floor - Hall of Tribes - Banquet Pantry	Vermiculite	Yes	104A-C	2,000 ft <sup>2</sup> (Est.)	ND	2
1963	Second Floor - Hall of Tribes - Banquet Pantry	12" x 12" Ceiling tile - fissured/splined	No	105	1,300 ft <sup>2</sup>	ND	0
1963	Second Floor - Hall of Tribes - Banquet Pantry	Interior window glazing (gray)	No	106	500 lin. ft.	ND	0
1963	Second Floor - Hall of Tribes - Banquet Pantry	Interior window caulking (tan)	Yes	107	500 lin. ft.	ND	1
1963	Second Floor - Hall of Tribes - Banquet Pantry	2' x 4' Ceiling panel- sheetrock	No	55	1,300 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Second Floor - Hall of Tribes - Banquet Pantry	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	25 fittings	ND	2
1963	Second Floor - Hall of Tribes - Banquet Pantry	Ceramic floor tile adhesive with grout (red/brown)	No	15	2,300 ft <sup>2</sup>	ND	0
1963	Second Floor - Hall of Tribes - Banquet Pantry	Ceramic wall tile (beige) with adhesive and grout	No	34	6,200 ft <sup>2</sup>	ND	0
1963	Second Floor - Mech Room - by Banquet Pantry	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	125 fittings	ND	2
1963	Second Floor - Mech Room - by Banquet Pantry	Duct vibration gasket (black)	No	11	20 ft <sup>2</sup>	ND	0
1963	Second Floor - Mech Room - by Banquet Pantry	Duct insulation seams canvas	No	12	900 ft <sup>2</sup>	ND	0
1963	Second Floor - Mech Room - by Banquet Pantry	Duct joint gasket (on uninsulated ducts)	Yes	108	275 lin. ft.	ND	1
1963	Second Floor - Pipe Chase - Rear of Pantry	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	20 fittings (observed)	ND	2
1963	Second Floor - Main Lobby & Hallways	2' x 2' Ceiling panel- pocked	No	93	400 ft <sup>2</sup>	ND	0
1963	Second Floor - Main Lobby & Hallways	2' x 2' Ceiling panel- textured	No	96	5,900 ft <sup>2</sup>	ND	0
1963	Second Floor - Main Lobby & Hallways	Carpet adhesive (tan)	No	44	6,300 ft <sup>2</sup>	ND	0
1963	Second Floor - Main Lobby & Hallways	Plaster	No	43A-E	Throughout	ND	0
1963	Second Floor - Main Lobby & Hallways	Ceramic floor tile adhesive with grout (red/brown)	No	15	250 ft <sup>2</sup>	ND	0
1963	Second Floor - Main Lobby & Hallways	Wall paper and adhesive	No	88	Throughout	ND	0
1963	Second Floor - Main Lobby & Hallways - Central Stairway	2' x 2' Ceramic floor tile with adhesive	No	109	350 ft <sup>2</sup>	ND	0
1963	Second Floor - Main Lobby & Hallways	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	60 ft <sup>2</sup>	ND	2

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Second Floor - Northwest Restrooms	Ceramic wall tile adhesive with grout (brown)	No	110	800 ft <sup>2</sup>	ND	0
1963	Second Floor - Northwest Restrooms	Ceramic floor tile adhesive with grout (brown)	No	111	200 ft <sup>2</sup>	ND	0
1963	Second Floor - Northwest Restrooms	2" x 2" Ceramic wall tile (tan) with adhesive and grout	No	103	400 ft <sup>2</sup>	ND	0
1963	Second Floor - Northwest Restrooms	Ceramic wall tile (beige) with adhesive and grout	No	34	1,200 ft <sup>2</sup>	ND	0
1963	Second Floor - Northwest Restrooms	2' x 2' Ceiling panel- textured	No	96	400 ft <sup>2</sup>	ND	0
1963	Second Floor - Northwest Restrooms	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	6A-G	40 fittings	ND	2
1963	First Floor - Main Entrance - Lobby	9" x 9" Floor tile (black) with black mastic	No	140	30 ft <sup>2</sup>	ND	0
1963	First Floor - NE Stairwell (by door #2)	Spray applied ceiling texture	Yes	226A-C	150 ft <sup>2</sup>	ND	2
1963	First Floor - NE Stairwell (by door #2)	Mirror adhesive (black)	Yes	227	6 ft <sup>2</sup>	ND	1
1963	First Floor - NE Stairwell (by door #2)	Wall paper and adhesive	No	88	600 ft <sup>2</sup>	ND	0
1963	First Floor - NE Stairwell (by door #2)	Carpet adhesive (tan)	No	44	150 ft <sup>2</sup>	ND	0
1963	First Floor - NW Stairwell (by kitchen)	Fire Doors	Yes	33	3 doors	ND	2
1963	First Floor - NW Stairwell (by kitchen)	Ceramic Floor tile adhesive with grout (red/brown)	No	28	600 ft <sup>2</sup>	ND	0
1963	Exterior - North Entrance Overhang	Overhang ceiling texture (gray) (also on columns)	Yes	228A-G	12,000 ft <sup>2</sup>	ND	2
1963	Exterior - North	Sheetrock (under (N) #228)	No	229	12,000 ft <sup>2</sup>	ND	0
1963	Exterior - North	Styrofoam panel adhesive (black) north	Yes	230	4 ft <sup>2</sup>	ND	1
1963	Exterior - North	Decorative rock caulking (tan) north	No	231	50 lin. ft.	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Exterior - North	Window caulking (gray) north	No	232	600 lin. ft.	ND	0
1963	Exterior - North	Door caulking (white) north	No	233	110 lin. ft.	ND	0
1963	Exterior - North	Decorative rock expansion caulk (gray) north	No	234	80 lin. ft.	ND	0
1963	Exterior - North	Column texture (gray) west	No	235A-E	3,000 ft <sup>2</sup>	ND	0
1963	Exterior - North	Large window and door caulking (brown) west	No	236	400 lin. ft.	ND	0
1963	Exterior - North	Building expansion caulking (white) west	No	237	40 lin. ft.	ND	0
<b>1963</b>	<b>Exterior - East</b>	<b>Transite window panels (exterior face)</b>	<b>Yes</b>	<b>74</b>	<b>1,600 ft<sup>2</sup></b>	<b>ND</b>	<b>2</b>
1963	Exterior - East - Door	Window caulking (white) (on brick)	No	238	240 lin. ft.	ND	0
1963	Exterior - East	Window frame caulking (gray)	No	239	3,600 lin. ft.	ND	0
1963	Exterior - East	Window glazing (gray)	No	240	3,800 lin. ft.	ND	0
<b>1963</b>	<b>Exterior - East</b>	<b>Window base caulking (gray) (bottom of panel)</b>	<b>Yes</b>	<b>241</b>	<b>600 lin. ft.</b>	<b>ND</b>	<b>1</b>
<b>1963</b>	<b>Exterior - South</b>	<b>Window base caulking (gray) (bottom of panel)</b>	<b>Yes</b>	<b>241</b>	<b>600 lin. ft.</b>	<b>ND</b>	<b>1</b>
<b>1963</b>	<b>Exterior - South</b>	<b>Transite window panels (exterior face)</b>	<b>Yes</b>	<b>74</b>	<b>2,000 ft<sup>2</sup></b>	<b>ND</b>	<b>2</b>
1963	Exterior - South	Door and window caulking (white) (on brick)	No	238	120 lin. ft.	ND	0
1963	Exterior - South	Window frame caulking (gray)	No	239	4,400 lin. ft.	ND	0
1963	Exterior - South	Window glazing (gray) brittle	Yes	242	2,700 lin. ft.	ND	1
1963	Exterior - South	Window glazing (gray) brittle	No	240	2,000 lin. ft.	ND	0
1963	Exterior - North	Plaster fascia- above front entrance	No	282A-E	Throughout	ND	0
1963	Exterior - Pool Courtyard	12" x 12" Ceramic tile with mortar (bartop and backer board)	No	283	160 ft <sup>2</sup>	ND	0
1963	Exterior - Pool Courtyard	Paver caulking (gray)	No	284	200 lin. ft.	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963	Exterior - Pool Courtyard	Column texture (gray)	No	285A-C	600 ft <sup>2</sup>	ND	0
1963	Exterior - Pool Courtyard	Painted panels (between windows) transite panels	Yes	Previous sample	Quantified interior/exterior	ND	2
1963	Exterior - Pool Courtyard	Paver (concrete) (red)	No	286	Throughout	ND	0
1963	Exterior - Pool Courtyard / Parking	Transite conduit possible under pavers and parking lot (underground)	Assume	---	---	---	---
<b>1965 - Addition</b>							
1965	First Floor - Rooms 154-178	2' x 2' Ceiling panel- pocked	No	141	8,400 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	2' x 2' Ceiling panel- pocked	No	142	600 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	143A-C	280 fittings	ND	0
1965	First Floor - Rooms 154-178	Spray applied fireproofing on beams	Yes	144A-C	2,000 ft <sup>2</sup>	ND	2
1965	First Floor - Rooms 154-178	Transite window panels	Yes	145	1,550 ft <sup>2</sup>	ND	2
1965	First Floor - Rooms 154-178	Interior window glazing (gray)	Yes	151	1,500 lin. ft.	ND	1
1965	First Floor - Rooms 154-178	Mirror adhesive (black) behind sink	Yes	146	400 ft <sup>2</sup>	ND	1
1965	First Floor - Rooms 154-178	Mirror adhesive (upright mirror)	No	147	300 lin. ft.	ND	0
1965	First Floor - Rooms 154-178	Ceramic floor tile with adhesive and grout (white)	No	148	400 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	Ceramic wall tile with adhesive and grout (white)	No	149	3,600 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178 - Hall	Carpet adhesive (tan)	No	150	5,400 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	Wallpaper adhesive	No	152	Throughout	ND	0
1965	First Floor - Rooms 154-178	Plaster	No	153A-C	Throughout	ND	0
1965	First Floor - Rooms 154-178	Sheetrock/joint compound	No	154	Throughout	ND	0



Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1965	First Floor - Rooms 154-178	Skim coat- on block wall	No	155A-C	Throughout	ND	0
1965	First Floor - Rooms 154-178	Sheetrock adhesive (tan)	No	156	750 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	Countertop adhesive (tan)	No	157	150 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	1" x 1" Ceramic floor tile with adhesive and grout (white)	No	161	15 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178	Transite window panel caulking (white)	No	164	750 lin. ft.	ND	0
1965	First Floor - Rooms 154-178 - Hallway	2' x 2' Ceiling panel- pocked	No	141	5,400 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178 - Hallway	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	143A-C	25 fittings	ND	0
1965	First Floor - Rooms 154-178 - Hallway	Ceramic floor tile with adhesive and grout (red/brown)	No	160	30 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178 - Hallway	Ceramic wall tile with adhesive and grout (beige)	No	159	150 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178 - Hallway	Carpet adhesive (tan)	No	150	5,400 ft <sup>2</sup>	ND	0
1965	First Floor - Rooms 154-178 - Hallway	Wallpaper adhesive (tan)	No	152	Throughout	ND	0
1965	Second Floor - Rooms 253-278	2' x 2' Ceiling panel- pocked	No	141	8,400 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	2' x 2' Ceiling panel- pocked	No	142	600 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	143A-C	280 fittings	ND	0
1965	Second Floor - Rooms 253-278	Spray applied fireproofing on beams	Yes	144A-C	2,000 ft <sup>2</sup>	ND	2
1965	Second Floor - Rooms 253-278	Transite window panels	Yes	145	1,550 ft <sup>2</sup>	ND	2
1965	Second Floor - Rooms 253-278	Mirror adhesive (black) behind sink	Yes	146	400 ft <sup>2</sup>	ND	1

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1965	Second Floor - Rooms 253-278	Interior window glazing (gray)	Yes	151	1,500 lin. ft.	ND	1
1965	Second Floor - Rooms 253-278	Mirror adhesive (upright mirror)	No	147	300 lin. ft.	ND	0
1965	Second Floor - Rooms 253-278	Ceramic floor tile with adhesive and grout (white)	No	148	400 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Ceramic wall tile with adhesive and grout (white)	No	149	3,600 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Carpet adhesive (tan)	No	150	5,400 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Wallpaper adhesive	No	152	Throughout	ND	0
1965	Second Floor - Rooms 253-278	Plaster	No	153A-C	Throughout	ND	0
1965	Second Floor - Rooms 253-278	Sheetrock/joint compound	No	154	Throughout	ND	0
1965	Second Floor - Rooms 253-278	Skim coat- on block wall	No	155A-C	Throughout	ND	0
1965	Second Floor - Rooms 253-278	Sheetrock adhesive (tan)	No	156	750 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Countertop adhesive (tan)	No	157	150 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	1" x 1" Ceramic floor tile with adhesive and grout (white)	No	161	15 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Transite window panel caulking (white)	No	164	750 lin. ft.	ND	0
1965	Second Floor - Rooms 253-278	12" x 12" Ceiling tile- fissured with adhesive (brown)	No	162	6,000 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278	Ceiling tile with adhesive (brown) (associated with #162)	No	163	1,500 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278 - Hallway	2' x 2' Ceiling panel- pocked	No	141	5,400 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278 - Hallway	Ceramic floor tile with adhesive and grout (white)	No	148	30 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278 - Hallway	Carpet adhesive (tan)	No	150	5,400 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1965	Second Floor - Rooms 253-278 - Hallway	Ceramic wall tile with adhesive and grout (beige)	No	159	150 ft <sup>2</sup>	ND	0
1965	Second Floor - Rooms 253-278 - Hallway	Wallpaper adhesive (tan)	No	150	Throughout	ND	0
1965	Second Floor - Rooms 253-278 - Hallway	Spray applied fireproofing on beams	Yes	144A-C	280 ft <sup>2</sup>	ND	2
1965	Second Floor - Room 308	2' x 2' Ceiling panel- pocked	No	141	320 ft <sup>2</sup>	ND	0
1965	Second Floor - Room 308	Wallpaper adhesive (tan)	No	150	Throughout	ND	0
1965	Second Floor - Room 308	Spray applied fireproofing on beams	Yes	144A-C	70 ft <sup>2</sup>	ND	2
1965	Second Floor - Room 308	Carpet baseboard adhesive (tan)	No	165	80 lin. ft.	ND	0
1965	Second Floor - Room 308	Wall adhesive-(black) on brick	No	166	10 ft <sup>2</sup>	ND	0
1965	Second Floor - Room 308	Interior window glazing	Yes	167	140 lin. ft.	ND	1
1965	Exterior - North & South	Window caulking (gray) (on brick) brittle	Yes	243	150 lin. ft.	ND	2
1965	Exterior - North & South	Window frame caulking (gray)	No	244	5,850 lin. ft.	ND	0
1965	Exterior - North & South	Window glazing (gray) brittle	Yes	245	3,800 lin. ft.	ND	2
1965	Exterior - North & South	Window glazing (gray) (over #245)	No	246	3,800 lin. ft.	ND	0
1965	Exterior - North & South	Transite window panels	Yes	145	3,400 ft <sup>2</sup>	ND	2
1965	Exterior - North & South	Window frame sealant (white) seams	No	250	400 lin. ft.	ND	0
<b>1967 - Addition</b>							
1967	First Floor - Rooms 179 & 198	2' x 2' Ceiling panel- pocked	No	186	1,200 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 179 & 198	Countertop and mortar (brown)	No	187	30 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 179 & 198	Wallpaper and adhesive (tan)	No	188	Throughout	ND	0
1967	First Floor - Rooms 179 & 198	Wall Skimcoat on block wall	No	189A-E	Throughout	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1967	First Floor - Rooms 179 & 198	Plaster	No	190A-C	Throughout	ND	0
<b>1967</b>	<b>First Floor - Rooms 179 &amp; 198</b>	<b>1' - 6" Pipe fitting insulation on fiberglass insulated pipe</b>	<b>Yes</b>	<b>191A-C</b>	<b>20 fittings</b>	<b>ND</b>	<b>2</b>
1967	Second Floor - Rooms 279 & 299	2' x 2' Ceiling panel- pocked	No	186	1,200 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 279 & 299	Countertop and mortar (brown)	No	187	30 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 279 & 299	Wallpaper and adhesive (tan)	No	188	Throughout	ND	0
1967	Second Floor - Rooms 279 & 299	Wall Skimcoat on block wall	No	189A-C	Throughout	ND	0
1967	Second Floor - Rooms 279 & 299	Plaster	No	190A-C	Throughout	ND	0
<b>1967</b>	<b>Second Floor - Rooms 279 &amp; 299</b>	<b>1' - 6" Pipe fitting insulation on fiberglass insulated pipe</b>	<b>Yes</b>	<b>191A-C</b>	<b>20 fittings</b>	<b>ND</b>	<b>2</b>
1967	Second Floor - Rooms 279 & 299	Ceramic wall tile with adhesive and grout (beige)	No	192	180 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 279 & 299	Ceramic floor tile with adhesive and grout (white)	No	193	30 ft <sup>2</sup>	ND	0
<b>1967</b>	<b>Second Floor - Rooms 279 &amp; 299</b>	<b>Transite panel with adhesive</b>	<b>Yes</b>	<b>194</b>	<b>100 ft<sup>2</sup></b>	<b>ND</b>	<b>2</b>
<b>1967</b>	<b>Second Floor - Rooms 279 &amp; 299</b>	<b>Transite panel glazing</b>	<b>Yes</b>	<b>195</b>	<b>80 lin. ft.</b>	<b>ND</b>	<b>2</b>
1967	Second Floor - Rooms 279 & 299	Window glazing	No	196	132 lin. ft.	ND	0
<b>1967</b>	<b>Second Floor - Rooms 279 &amp; 299</b>	<b>Mirror adhesive (black ) (behind sink)</b>	<b>Yes</b>	<b>197</b>	<b>30 ft<sup>2</sup></b>	<b>ND</b>	<b>1</b>
1967	Second Floor - Rooms 280-298	2' x 2' Ceiling panel- pocked	No	200	8,100 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Transite panel glazing	No	201	1,530 lin. ft.	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1967	Second Floor - Rooms 280-298	Window glazing (gray)	Yes	202	1,360 lin. ft.	ND	1
1967	Second Floor - Rooms 280-298	Transite panel	Yes	194	2,400 ft <sup>2</sup>	ND	2
1967	Second Floor - Rooms 280-298	Countertop and mortar (brown)	No	187	136 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Wallpaper and adhesive (tan)	No	188	Throughout	ND	0
1967	Second Floor - Rooms 280-298	Wall Skimcoat on block wall	No	189A-C	Throughout	ND	0
1967	Second Floor - Rooms 280-298	Plaster	No	190A-C	Throughout	ND	0
1967	First Floor - Rooms 179 & 198	Ceramic wall tile with adhesive and grout (beige)	No	192	180 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 179 & 198	Ceramic floor tile with adhesive and grout (white)	No	193	30 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 179 & 198	Transite panel with adhesive	Yes	194	100 ft <sup>2</sup>	ND	2
1967	First Floor - Rooms 179 & 198	Transite panel glazing	Yes	195	80 lin. ft.	ND	2
1967	First Floor - Rooms 179 & 198	Window glazing	No	196	132 lin. ft.	ND	0
1967	First Floor - Rooms 179 & 198	Mirror adhesive (black ) (behind sink)	Yes	197	30 ft <sup>2</sup>	ND	1
1967	First Floor - Rooms 179 & 198	Mirror adhesive (black ) (next to bed)	Yes	198	72 ft <sup>2</sup>	ND	1
1967	First Floor - Rooms 179 & 198	Adhesive on Styrofoam above windows (tan)	Yes	199	225 ft <sup>2</sup>	ND	1
1967	First Floor - Rooms 180-197	2' x 2' Ceiling panel- pocked	No	200	8,100 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	Transite panel glazing	No	201	1,530 lin. ft.	ND	0
1967	First Floor - Rooms 180-197	Window glazing (gray)	Yes	202	1,360 lin. ft.	ND	1
1967	First Floor - Rooms 180-197	Transite panel	Yes	194	2,300 ft <sup>2</sup>	ND	2

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1967	First Floor - Rooms 180-197	Countertop and mortar (brown)	No	187	136 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	Wallpaper and adhesive (tan)	No	188	Throughout	ND	0
1967	First Floor - Rooms 180-197	Wall Skimcoat on block wall	No	189A-C	Throughout	ND	0
1967	First Floor - Rooms 180-197	Plaster	No	190A-C	Throughout	ND	0
<b>1967</b>	<b>First Floor - Rooms 180-197</b>	<b>1' - 6" Pipe fitting insulation on fiberglass insulated pipe</b>	<b>Yes</b>	<b>191A-C</b>	<b>150 fittings</b>	<b>ND</b>	<b>2</b>
1967	First Floor - Rooms 180-197	Ceramic wall tile with adhesive and grout (beige)	No	192	2,261 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	Ceramic floor tile with adhesive and grout (white)	No	193	255 ft <sup>2</sup>	ND	0
<b>1967</b>	<b>First Floor - Rooms 180-197</b>	<b>Mirror adhesive (black ) (behind sink)</b>	<b>Yes</b>	<b>197</b>	<b>170 ft<sup>2</sup></b>	<b>ND</b>	<b>1</b>
1967	First Floor - Rooms 180-197	Mirror adhesive (tan) (upright mirror)	No	203	240 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	2' x 2' Ceiling panel- pocked	No	204	400 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	Sheetrock/joint compound	No	205A-C	Throughout	ND	0
1967	First Floor - Rooms 180-197	Wall texture	No	206A-C	Throughout	ND	0
1967	First Floor - Rooms 180-197	Ceramic wall tile with adhesive and grout (green)	No	207	250 ft <sup>2</sup>	ND	0
1967	First Floor - Rooms 180-197	Carpet adhesive (tan)	No	208	600 ft <sup>2</sup>	ND	0
1967	First Floor - Hallway	Carpet adhesive (tan)	No	208	1,620 ft <sup>2</sup>	ND	0
1967	First Floor - Hallway	2' x 2' Ceiling panel- pocked	No	200	1,620 ft <sup>2</sup>	ND	0
1967	First Floor - Hallway	Ceramic floor tile (brown)	No	209	15 ft <sup>2</sup>	ND	0
1967	First Floor - Hallway	Window glazing- sky light	No	210	220 lin. ft.	ND	0
1967	First Floor - Hallway	Ceramic floor tile (white)	No	211	60 ft <sup>2</sup>	ND	0
1967	First Floor - Hallway	Ceramic floor tile (red)	No	212	50 ft <sup>2</sup>	ND	0
<b>1967</b>	<b>First Floor - Hallway</b>	<b>9" x 9" Floor tile (tan-striated) with mastic</b>	<b>FI: Yes Mastic: Yes</b>	<b>213</b>	<b>80 ft<sup>2</sup></b>	<b>ND</b>	<b>1</b>

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1967	First Floor - Hallway	Vinyl baseboard with adhesive (tan)	No	214	50 ft <sup>2</sup>	ND	0
1967	First Floor - Pool	Transite panels	Yes	215	260 ft <sup>2</sup>	ND	2
1967	First Floor - Pool	Ceramic tile around pool (red) with grout	No	216	220 ft <sup>2</sup>	ND	0
1967	First Floor - Pool	Ceramic tile around pool (blue) with grout	No	217	220 ft <sup>2</sup>	ND	0
1967	First Floor - Pool	Decorative wall rock with adhesive	Rock: No Adh.: Yes	218	3,400 ft <sup>2</sup>	ND	1
1967	Second Floor - Rooms 280-298	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	191A-C	150 fittings	ND	2
1967	Second Floor - Rooms 280-298	Ceramic wall tile with adhesive and grout (beige)	No	192	2,200 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Ceramic floor tile with adhesive and grout (white)	No	193	255 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Mirror adhesive (black ) (behind sink)	Yes	197	170 ft <sup>2</sup>	ND	1
1967	Second Floor - Rooms 280-298	Mirror adhesive (tan) (upright mirror)	No	203	240 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	2' x 2' Ceiling panel- pocked	No	204	400 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Sheetrock/joint compound	No	205A-C	1,300 ft <sup>2</sup>	ND	0
1967	Second Floor - Rooms 280-298	Ceramic floor tile (white)	No	211	600 ft <sup>2</sup>	ND	0
1967	Second Floor - Hallway	Carpet adhesive (tan)	No	208	1,620 ft <sup>2</sup>	ND	0
1967	Second Floor - Hallway	Ceramic floor tile (brown)	No	209	15 ft <sup>2</sup>	ND	0
1967	Second Floor - Hallway	Window glazing- sky light	No	210	220 lin. ft.	ND	0
1967	Second Floor - Hallway	Ceramic floor tile (white)	No	211	60 ft <sup>2</sup>	ND	0
1967	Second Floor - Hallway	9" x 9" Floor tile (tan- striated) with mastic	FT: Yes Mastic: Yes	213	80 ft <sup>2</sup>	ND	1
1967	Second Floor - Hallway	Vinyl baseboard with adhesive (tan)	No	214	50 lin. ft.	ND	0
1967	Second Floor - Hallway	2' x 2' Ceiling panel- pocked	No	219	1,620 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1967	Basement - Boiler Room	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	220A-c	150 fittings	ND	2
1967	Basement - Boiler Room	Tank insulation	Yes	221A-C	80 ft <sup>2</sup>	ND	2
1967	Basement - Boiler Room	Boiler breeching	Yes	222A-C	30 ft <sup>2</sup>	ND	2
1967	Basement - Boiler Room	Boiler brick - interior	Assume	---	50 ft <sup>2</sup>	ND	2
1967	Basement - Boiler Room	Door insulation	Assume	---	35 ft <sup>2</sup>	ND	2
1967	Basement - Boiler Room	Base insulation	Assume	---	50 ft <sup>2</sup>	ND	2
1967	Basement - Boiler Room	Refractory	Assume	---	Not Quantified	ND	2
1967	Basement - Boiler Room	Burner gasket	Yes	223	20 lin. ft.	ND	2
1967	Basement - Boiler Room	Duct vibration gasket (black)	No	224	80 lin. ft.	ND	0
1967	Basement - Boiler Room - Tunnel	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Yes	220A-C	225 fittings	ND	2
1967	First Floor - Stairwell to Basement	Fire door insulation	Yes	225	1 door	ND	2
<b>1974 - Addition</b>							
1974	First Floor - Rooms 301-303 & Hall	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	112A-C	100 fittings	ND	0
1974	First Floor - Rooms 301-303 & Hall	Wall skim coat (on block wall)	No	113A-E	4,000 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	2' x 2' Ceiling panel- pocked	No	114	1,950 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Mirror adhesive (black)	Yes	115	25 ft <sup>2</sup>	ND	1
1974	First Floor - Rooms 301-303 & Hall	Ceramic floor tile adhesive with grout (gold)	No	116	75 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Ceramic wall tile adhesive with grout (brown)	No	117	150 ft <sup>2</sup>	ND	0



Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1974	First Floor - Rooms 301-303 & Hall	Ceramic countertop (gray)	No	118	24 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Sunk undercoating (gray)	Yes	119	3 sinks	ND	1
1974	First Floor - Rooms 301-303 & Hall	Transite window panels	Yes	120	800 ft <sup>2</sup>	ND	2
1974	First Floor - Rooms 301-303 & Hall	Wallpaper and adhesive	No	121	Throughout	ND	0
1974	First Floor - Rooms 301-303 & Hall	Ceramic floor tile with adhesive and grout (dark green)	No	122	75 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Ceramic wall tile with adhesive and grout (green)	No	123	150 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Ceramic floor tile with adhesive and grout (black)	No	124	75 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Ceramic wall tile with adhesive and grout (black)	No	125	150 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Carpet adhesive (tan)	No	126	900 ft <sup>2</sup>	ND	0
1974	First Floor - Rooms 301-303 & Hall	Interior window caulking (black)	No	127	300 lin. ft.	ND	0
1974	First Floor - Rooms 301-303 & Hall	Fire Doors	Yes	33	1 door	ND	2
1974	Second Floor - Rooms 304-306 & Hall	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	112A-C	100 fittings	ND	0
1974	Second Floor - Rooms 304-306 & Hall	Wall Skimcoat	No	113A-C	2,000 ft <sup>2</sup>	ND	0
1974	Second Floor - Rooms 304-306 & Hall	2' x 2' Ceiling panel- pocked	No	114	660 ft <sup>2</sup>	ND	0
1974	Second Floor - Rooms 304-306 & Hall	Mirror adhesive (black)	Yes	115	25 ft <sup>2</sup>	ND	1
1974	Second Floor - Rooms 304-306 & Hall	Ceramic floor tile with adhesive and grout (tan/brown)	No	129	225 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1974	Second Floor - Rooms 304-306 & Hall	Ceramic wall tile with adhesive and grout (tan/brown)	No	130	500 ft <sup>2</sup>	ND	0
1974	Second Floor - Rooms 304-306 & Hall	Ceramic countertop adhesive (brown)	No	131	24 ft <sup>2</sup>	ND	0
1974	Second Floor - Rooms 304-306 & Hall	Sink undercoating (gray)	Yes	119	3 sinks	ND	1
1974	Second Floor - Rooms 304-306 & Hall	Transite window panels	Yes	120	600 ft <sup>2</sup>	ND	2
1974	Second Floor - Rooms 304-306 & Hall	Wallpaper adhesive (tan)	No	121	Throughout	ND	0
1974	Second Floor - Rooms 304-306 & Hall	Spray-applied ceiling texture	Yes	128A-E	1,500 ft <sup>2</sup>	ND	2
1974	Second Floor - Rooms 304-306 & Hall	Carpet adhesive (tan)	No	126	900 ft <sup>2</sup>	ND	2
1974	Second Floor - Rooms 304-306 & Hall	Sheetrock/joint compound	No	132	Throughout	ND	0
1974	Second Floor - Rooms 304-306 & Hall	All exit fire doors	Yes	33	Throughout	ND	2
1974	Second Floor - Yakina, Winnebago, Shosonec Rooms	2' x 2' Ceiling panel- fissured	No	133	3,400 ft <sup>2</sup>	ND	0
1974	Second Floor - Yakina, Winnebago, Shosonec Rooms	Wallpaper adhesive (tan)	No	121	Throughout	ND	0
1974	Second Floor - Yakina, Winnebago, Shosonec Rooms	Carpet adhesive (tan)	No	126	3,400 ft <sup>2</sup>	ND	0
1974	Second Floor - Yakina, Winnebago, Shosonec Rooms	Wall Skim coat (on block wall)	No	113A-E	Throughout	ND	0
1974	Second Floor - Storage/Fan Room	Wall texture	No	134A-C	40 ft <sup>2</sup>	ND	0
1974	Second Floor - Storage/Fan Room	Ceramic floor tile with adhesive and grout (red/brown)	No	15	200 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1974	Second Floor Northwest Stairwell	Ceramic wall tile with adhesive and grout (red/brown)	No	15	300 ft <sup>2</sup>	ND	0
1974	Second Floor Northwest Stairwell	Fire Doors (exit)	Yes	33	2 doors	ND	2
1974	Second Floor - Miami, ETW, Menomonie Rooms	2' x 2' Ceiling panel- pocked	No	135	11,000 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Roof decking texture	No	136A-C	3,600 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Roof decking material	No	137	11,000 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Rain leader Insulation	No	138A-C	18 fittings	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Spray applied fireproofing (gray) fluffy	No	37A-D	600 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Wall Skimcoat	No	113A-E	Throughout	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Carpet adhesive (tan)	No	126	11,000 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Ceramic floor tile with adhesive and grout (red/brown)	No	15	600 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Sheetrock/joint compound	No	132	80 ft <sup>2</sup>	ND	0
1974	Second Floor - Miami, ETW, Menomonie Rooms	Fire doors	No	33	4 doors	ND	2
1974	Second Floor - Mechanical Room by Rooms	12" x 12" Floor tile (brown-flecked) with mastic	FT: No Mastic: Yes	139	350 ft <sup>2</sup>	ND	1

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1974	Second Floor - Mechanical Room - by Rooms	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	112A-C	16 fittings	ND	0
1974	Second Floor - Mechanical Room - by Rooms	Plaster	No	43A-E	200 ft <sup>2</sup>	ND	0
<b>1979 - Addition</b>							
1979	Second Floor - Rooms 431-463 - Hallway	2' x 2' Ceiling panel- pocked	No	168	2,500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	Carpet adhesive (tan) with floor leveler	No	169	2,500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	Wallpaper adhesive (tan)	No	170	Throughout	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	Spray applied fireproofing (gray fluffy)	No	171A-E	150 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	12" x 12" Floor tile (brown-flecked) with mastic	FT: No Mastic: Yes	172	150 ft <sup>2</sup>	ND	1
1979	Second Floor - Rooms 431-463 - Hallway	Vinyl baseboard (brown) with adhesive	No	173	60 lin. ft.	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	Wall Skimcoat on block wall	No	174A-E	Throughout	ND	0
1979	Second Floor - Rooms 431-463 - Hallway	Plaster	No	181A-C	Throughout	ND	0
1979	Second Floor - Rooms 431-463	2' x 2' Ceiling panel- pocked	No	168	10,100 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463	Wallpaper adhesive (tan)	No	170	Throughout	ND	0
1979	Second Floor - Rooms 431-463	Spray applied fireproofing (gray fluffy)	No	171A-E	2,200 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463	Mirror adhesive (black) behind sink	Yes	175	200 ft <sup>2</sup>	ND	1
1979	Second Floor - Rooms 431-463	Mirror adhesive (tan) upright mirror	No	176	500 lin. ft.	ND	0
1979	Second Floor - Rooms 431-463	Countertop and mortar (brown)	No	177	375 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463	Ceramic floor tile with adhesive and grout (beige)	No	178	500 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1979	Second Floor - Rooms 431-463	Ceramic wall tile with adhesive and grout (tan)(1" squares)	No	179	4,650 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 431-463	Sheetrock	No	180	Throughout Bathrooms	ND	0
1979	Second Floor - Rooms 431-463	Plaster	No	181A-C	Throughout Bathrooms	ND	0
1979	Second Floor - Rooms 431-463	Wall Skimcoat on block wall	No	174A-E	Throughout	ND	0
1979	Second Floor - Rooms 431-463	Metal window panel	No	182	1,550 ft <sup>2</sup>	ND	0
1979	Second Floor - Storage Rooms by 431 & 433	12" x 12" Floor tile (brown-streaks) with mastic	FT: No Mastic: Yes	172	600 ft <sup>2</sup>	ND	1
1979	Second Floor - Storage by 401	12" x 12" Floor tile (brown-streaks) with mastic	FT: No Mastic: Yes	172	400 ft <sup>2</sup>	ND	1
1979	Second Floor - Storage by 401	Vinyl baseboard (brown) with adhesive	No	173	40 lin. ft.	ND	0
1979	Second Floor - Storage by 401	Sheetrock/joint compound	No	183	Throughout	ND	0
1979	Second Floor - Storage by 401	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	184A-C	6 fittings	ND	0
1979	Second Floor - Rooms 401-429	2' x 2' Ceiling panel- pocked	No	168	10,100 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Wallpaper adhesive (tan)	No	170	Throughout	ND	0
1979	Second Floor - Rooms 401-429	Spray applied fireproofing (gray fluffy)	No	171A-E	2,200 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Mirror adhesive (black) behind sink	Yes	175	600 ft <sup>2</sup>	ND	1
1979	Second Floor - Rooms 401-429	Mirror adhesive (tan) (upright mirror) (435)	No	176	500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Countertop and mortar (brown)	No	177	375 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Ceramic floor tile with adhesive and grout (beige)	No	178	500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Ceramic wall tile with adhesive and grout (beige)	No	179	4,650 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429	Sheetrock	No	180	Throughout Bathrooms	ND	0
1979	Second Floor - Rooms 401-429	Plaster	No	181A-C	Throughout Bathrooms	ND	0
1979	Second Floor - Rooms 401-429	Wall Skimcoat on block wall	No	174A-E	Throughout	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1979	Second Floor - Rooms 401-429	Metal window panel	No	182	1,550 lin. ft.	ND	0
1979	Second Floor - Rooms 401-429	Ceramic floor tile with adhesive and grout (white)	No	185	500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	2' x 2' Ceiling panel- pocked	No	168	2,500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	Carpet adhesive (tan) with floor leveler	No	169	2,500 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	Wallpaper adhesive (tan)	No	170	Throughout	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	Spray applied fireproofing (gray fluffy)	No	171A-E	150 ft <sup>2</sup>	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	Wall Skimcoat on block wall	No	174A-E	Throughout	ND	0
1979	Second Floor - Rooms 401-429 - Hallway	Plaster	No	181A-C	Throughout	ND	0
1979	Basement	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	184A-C	2 fittings	ND	0
1979	Basement	Spray applied fireproofing (gray fluffy)	No	171A-E	300 ft <sup>2</sup>	ND	0
1967	Exterior	Window caulking (gray) on column	No	247	950 lin. ft.	ND	0
<b>1967</b>	<b>Exterior</b>	<b>Transite window panel with adhesive</b>	<b>Yes</b>	<b>194</b>	<b>7,500 ft<sup>2</sup></b>	<b>ND</b>	<b>2</b>
1967	Exterior	Transite window panel glazing (gray)	No	248	7,500 lin. ft.	ND	0
<b>1967</b>	<b>Exterior</b>	<b>Window glazing (gray) brittle</b>	<b>Yes</b>	<b>249</b>	<b>7,500 lin. ft.</b>	<b>ND</b>	<b>2</b>
1979	Exterior	Door and window caulking (brown)	No	251	3,400 lin. ft.	ND	0
1979	Exterior	Window glazing (brown)	No	252	7,800 lin. ft.	ND	0
<b>Out-Buildings</b>							
--	Exterior Garage	Sheetrock/joint compound	No	279	450 ft <sup>2</sup>	ND	0
--	Exterior Garage	Blown-in insulation (white)	No	280	450 ft <sup>2</sup>	ND	0
--	Exterior Garage	Asphalt roof shingle-tarpaper	No	281	660 ft <sup>2</sup>	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
<b>Roof Areas</b>							
1963	Roof - West	Asphalt roof base	No	253	25,000 ft <sup>2</sup>	ND	0
1963	Roof - West	Asphalt roof flashing (with silver paint)	Yes	254	3,500 ft <sup>2</sup>	ND	1
1963	Roof - North	Asphalt roof base	No	255	---	ND	0
1963	Roof - North	Asphalt roof flashing	No	256	---	ND	0
1963	Roof - North	Gray tarry seam sealer and patch	Yes	257	200 ft <sup>2</sup>	ND	1
1963	Roof - West	Duct seam gasket- woven cloth	Yes	258	20 lin. ft.	ND	1
1963	Roof - East	Elevator tower siding texture	No	259A-C	1,600 ft <sup>2</sup>	ND	0
1963	Roof - West	Duct seam wrap (black)	No	260	15 lin. ft.	ND	0
1963	Roof - East	Asphalt roof base	No	261	25,000 ft <sup>2</sup>	ND	0
1963	Roof - East	Asphalt roof flashing (with silver paint)	Yes	262	3,500 ft <sup>2</sup>	ND	1
1963	Roof - West	Rolled asphalt roofing with patching	No	263	100 ft <sup>2</sup>	ND	0
1965	Roof - East	Asphalt roof base	No	264	11,130 ft <sup>2</sup>	ND	0
1965	Roof - East	Asphalt roof flashing	Yes	265	600 ft <sup>2</sup>	ND	1
1965	Roof - West	Asphalt roof base	No	266	---	ND	0
1965	Roof - West	Asphalt roof flashing (with silver paint)	Yes	267	800 ft <sup>2</sup>	ND	1
1967	Roof	Asphalt roof base	No	268	2,400 ft <sup>2</sup>	ND	0
1967	Roof	Asphalt roof flashing	No	269	2,400 ft <sup>2</sup>	ND	0
1967	Roof	Gray tarry seam sealer and patch	Yes	270	100 ft <sup>2</sup>	ND	1
1979	Roof - Central	Asphalt roof base	No	271	7,800 ft <sup>2</sup>	ND	0
1979	Roof - Central	Asphalt roof flashing	No	272	1,000 ft <sup>2</sup>	ND	0
1979	Roof - Central	Gray tarry seam sealer and patch	Yes	273	100 ft <sup>2</sup>	ND	1
1963 & 1974	Roof - Penthouse - West	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	No	274A-C	50 fittings	ND	0

Year Built	Functional Space	Homogeneous Material Description	Contains Asbestos (Yes/No)	Ref. Client Sample No. (See Table II)	Estimated Quantity Units	Material Condition <sup>1</sup>	Hazard Category <sup>2</sup>
1963 & 1974	Roof - Penthouse - West	Duct seam tape- canvas	No	275	300 lin. ft.	ND	0
1963 & 1974	Roof - Penthouse - West	Duct vibration gasket (black)	No	276	30 lin. ft.	ND	0
<b>Foundation</b>							
1963	Exterior	Foundation waterproofing (black)	Yes	277	Not Quantified	ND	1
1965	Exterior	Foundation waterproofing (black)	Yes	Assumed	Not Quantified	ND	1
1967	Exterior	Foundation waterproofing (black)	Yes	278	Not Quantified	ND	1
1974 & 1979	Exterior	No visible waterproofing observed	---	---	---	---	---

1. Condition of ACM:

ND = Not Damaged  
 D = Damaged  
 SD = Significantly Damaged

2. Hazard Category:

0 = No hazard - material does not contain asbestos  
 1 = ACM with potential for damage  
 2 = ACM with potential for significant damage  
 3 = Damaged or significantly damaged asbestos-containing miscellaneous material  
 4 = Damaged or significantly damaged friable asbestos-containing thermal system insulation  
 5 = Damaged or significantly damaged friable asbestos-containing surfacing material



## **Appendix B**

### **Table II. Bulk Asbestos Analytical Results**

**Table II. Bulk Asbestos Analytical Results**

Client: The Port Authority of the City of Bloomington, MN  
Location: Ramada (former Thunderbird), 2300 East American Blvd., Bloomington, MN  
Date of Inspection: May 23 - June 7, 2016  
Project: B1604822

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
1	Basement	Boiler Room	Boiler #1	Boiler gasket (rear)	N.D. <sup>2</sup>
2	Basement	Boiler Room	Boiler #1	Boiler door gasket (burner side)	N.D.
3	Basement	Boiler Room	Boiler #1	Boiler jacket insulation (fiberglass)	N.D.
4 A-C	Basement	Boiler Room	Boiler #1	Boiler stack insulation	N.D.
5 A-C	Basement	Boiler Room	Boiler #1	Boiler header insulation (red)- fibrous wrapover- fiberglass	N.D.
6A	Basement	Boiler Room	Lt. Blue	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
6B	Basement	Boiler Room	Red	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
6C	First Floor	Kitchen	--	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
6D	First Floor	Room 100	--	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
6E	Second Floor	Men's Room	--	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	Chrysotile 6
6F	Second Floor	Hall of Tribes	by Banquet	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.A. <sup>3</sup>
6G	Second Floor	Mech Room	by Banquet	1"- 6" Pipe fitting insulation on fiberglass insulated pipe	N.A.
7A	Basement	Boiler Room	Orange	7"- 12" Pipe fitting insulation on fiberglass insulated pipe	Chrysotile 5 Amosite 20
7B	Basement	Boiler Room	Lt. Blue	7"- 12" Pipe fitting insulation on fiberglass insulated pipe	N.A.
7C	Basement	Sprinkler Riser Room	--	7"- 12" Pipe fitting insulation on fiberglass insulated pipe	N.A.
8 A-C	Basement	Boiler Room	Blue	Chiller insulation and components	Chrysotile 20
9 A-C	Basement	Boiler Room	Yellow	Tank insulation	Chrysotile 20 Amosite 20
10	Basement	Boiler Room	Yellow	fiberglass duct seam tape	N.D.
11	Basement	Boiler Room	Yellow	Duct vibration gasket (black)	N.D.
12	Basement	Engineer Shop	--	Duct and duct seam tape adhesive (tan)	N.D.
13	Basement	Storage	By Engineer Shop	Wall adhesive (black)	Chrysotile 4
14	Basement	Storage	By Engineer Shop	Wall carpet adhesive (tan)	N.D.
15	Basement	Storage	By Engineer Shop	Ceramic floor tile adhesive with grout (red/brown)	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>	
16A	Basement	Storage	--	Sheetrock/joint compound	N.D.	
16B	First Level	Entry #2	Hall	Sheetrock/joint compound	N.D.	
16C	First Floor	Entry Lobby	--	Sheetrock/joint compound	N.D.	
16D	First Floor	Room 100	--	Sheetrock/joint compound	N.D.	
16E	Second Floor	Room 200	--	Sheetrock/joint compound	N.D.	
17	Basement	Storage	By Accounting	12" x 12" Floor tile (brown-streaks) with black mastic	Floortile Mastic	Chrysotile N.D. 2
18	Basement	Storage	By Accounting	Vinyl baseboard (brown) with adhesive (tan)	N.D.	
19	Basement	Storage	By Accounting	2' x 2' Ceiling panel- fissured	Chrysotile	2
20	Basement	Storage	By Accounting	2' x 2' Ceiling panel- fissured (recessed edge)	N.D.	
21	Basement	Storage	By Accounting	Wall paper with adhesive	N.D.	
22	Basement	Storage	By Accounting	Carpet adhesive (tan)	N.D.	
23	Basement	Storage	By Accounting	Wall paper adhesive (black)	N.D.	
24	Basement	Storage	By Accounting	Interior window glazing (gray)	Chrysotile	8
25	Basement	Catering Sales, AV Room	Storage	2' x 2' Ceiling panel- pocked	N.D.	
26	Basement	Catering Sales, AV Room	Storage	2' x 2' Ceiling panel- textured	N.D.	
27	Basement	Catering Sales, AV Room	Storage	Wainscoting with adhesive (white)	N.D.	
28	Basement	Men's & Women's Room	--	Ceramic Floor tile adhesive with grout (brown)	N.D.	
29	Basement	Men's & Women's Room	--	Mirror adhesive (black)	Chrysotile	15
30	Basement	Storage	Off Hall	Wall mastic (black)	Chrysotile	10
31	Basement	Engineer's Office	Chase Entry	Fire Brick (white) in boxes	N.D.	
32	Basement	Engineer's Office	Chase Entry	Insulation (white) laying on boxes	N.D.	
33	Basement	Hallway	--	Firedoor insulation (white)	Chrysotile Amosite	25 25
34	Basement	Hallway	--	Ceramic wall tile (beige) with adhesive and grout	N.D.	
35	Basement	Hallway	--	2' x 2' Ceiling panel- fine textured	N.D.	
36	Basement	Hallway	--	wall paper and adhesuve	N.D.	
37A	Basement	Elevator Lobby	--	Spray applied fireproofing on beams (rigid)	N.D.	

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
37B	First Floor	Northeast Store Room	--	Spray applied fireproofing on beams (rigid)	N.D.
37C	First Floor	Elevator Lobby	--	Spray applied fireproofing on beams (rigid)	N.D.
37D	Second Floor	Menomonie Room	--	Spray applied fireproofing on beams (rigid)	N.D.
38A	First Floor	Hall	By NE Storeroom	Spray applied fireproofing on beams (rigid)	Chrysotile 15
38B	First Floor	Room 100	--	Spray applied fireproofing on beams (rigid)	N.A.
38C	First Floor	Room 120	--	Spray applied fireproofing on beams (rigid)	N.A.
38D	Second Floor	Room 200	--	Spray applied fireproofing on beams (rigid)	Chrysotile 15
38E	Second Floor	Room 221	--	Spray applied fireproofing on beams (rigid)	N.A.
39	First Floor	Hall	By NE Storeroom	Duct adhesive (red/brown)	N.D.
40	First Floor	Hall	By NE Storeroom	2' x 2' Ceiling panel- textured	N.D.
41	First Floor	Hall	By NE Storeroom	Wood baseboard adhesive (white)	N.D.
42	First Floor	Entry #2	Entrance	2' x 2' Ceiling panel- fissured	N.D.
43A	First Floor	Entry #2	Hall	Plaster	N.D.
43B	First Floor	Banquet Storage Area	--	Plaster	N.D.
43C	Second Floor	Room 121	--	Plaster	N.D.
43D	Second Floor	Room 200	--	Plaster	N.D.
43E	Second Floor	Room 222	--	Plaster	N.D.
44	First Floor	Entry #2	Hall	Carpet adhesive (tan)	N.D.
45	First Floor	Entry #2	Hall	Terazzo flooring	N.D.
46	First Floor	Entry #2	Hall	Duct seam caulking (gray)	N.D.
47	First Floor	Main Entrance	Lobby	Vinyl flooring (brown)- wood grain	N.D.
48	First Floor	Main Entrance	Pub Area	Ceramic floor tile with adhesive and grout (black)	N.D.
49	First Floor	Main Entrance	Pub Area	Carpet adhesive (yellow)	N.D.
50	First Floor	Main Entrance	Lobby	Ceramic wall tile with adhesive and grout (gray)	N.D.
51	First Floor	Main Entrance	Lobby	Stone wall tile with adhesive and grout (gray)	N.D.
52	First Floor	Main Entrance	Lobby	Wall stone (red/gray) with mortar	N.D.
53	First Floor	Main Entrance	Restrooms	12" x 24" Ceramic tile with adhesive and grout (gray)	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
54	First Floor	Main Entrance	Café	2' x 2' Ceiling panel- sheetrock	N.D.
55	First Floor	Kitchen	--	2' x 4' Ceiling panel- sheetrock	N.D.
56A	First Floor	Kitchen	--	>12" Roof drain fitting insulation	N.D.
56B	First Floor	Kitchen	--	>12" Roof drain fitting insulation	N.D.
56C	First Floor	Kitchen	--	>12" Roof drain fitting insulation	N.D.
57	First Floor	Kitchen	--	Block glazing (yellow)	N.D.
58	First Floor	Kitchen	--	12" x 12" Floor tile (white) with adhesive	N.D.
59	First Floor	Kitchen	--	Residual wall caulk (gray)	N.D.
60	First Floor	Kitchen	--	Residual wall caulk (white)	N.D.
61	First Floor	Kitchen	Loading Dock	Block glazing (orange)	N.D.
62	First Floor	Kitchen	Office	2' x 4' Ceiling panel- pocked	N.D.
63	First Floor	Kitchen	Storage	Walk-In-Cooler -seam caulk (gray)	N.D.
64	First Floor	Banquet Storage Area	--	Wall adhesive (brown)	Chrysotile 5
65	First Floor	Banquet Storage Area	--	Residual wall paper adhesive (brown)	N.D.
66	First Floor	Banquet Storage Area	--	Carpet adhesive with black mastic	N.D.
67	Basement	Laundry Room	--	12" x 12" Floor tile (brown-streaks) with black mastic	Floortile 3 Mastic N.D.
68	Basement	Laundry Room	--	12" x 12" Floor tile (beige) with black mastic	Floortile N.D. Mastic Chrysotile 6
69	Basement	Laundry Room	--	12" x 12" Floor tile (tan) with black mastic	Floortile N.D. Mastic N.D.
70	Basement	Laundry Room	--	Duct vibration gasket (white)	N.D.
71	Basement	Laundry Room	--	Iron machine roller canvas	N.D.
72	First Floor	Room 100	--	2' x 2' Ceiling panel- fissured	N.D.
73	First Floor	Room 119	--	Mirror adhesive (black) pucks behind sink	Chrysotile 12
74	First Floor	Room 100	--	Transite window panels	Chrysotile 20
75	First Floor	Room 100	--	Interior window glazing	N.D.
76	First Floor	Room 100	--	Sheetrock wall adhesive (gray)	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
77	First Floor	Room 100	--	Ceramic floor tile (white) with adhesive and grout	N.D.
78	First Floor	Room 100	--	Ceramic wall tile (white) with adhesive and grout	N.D.
79	First Floor	Room 100	--	Mirror adhesive (tan) pucks (behind sink)	Chrysotile 8
80	First Floor	Room 101	--	Sink counter adhesive (white) tile onto wood	N.D.
81	First Floor	Room 100	--	Transite window panel caulking (tan)	N.D.
82	First Floor	Room 101	--	Mirror adhesive (black) upright mirror	N.D.
83	First Floor	Room 100	--	2' x 4' Ceiling panel- pocked	N.D.
84	First Floor	Room 100	--	Wall paper and adhesive	N.D.
85	First	Room 100	--	Countertop tile with mortar (brown)	N.D.
86	First Floor	Rooms 100-119	Hall	Wall paper and adhesive	N.D.
87	First Floor	Rooms 100-119	Hall	Wall skim coat	N.D.
88	First Floor	Rooms 100-119	Hall	Wall paper adhesive (tan)	N.D.
89	First Floor	Office Across Room 119	--	Interior window glazing (brown)	N.D.
90	First Floor	Housekeeping Storage	--	12" x12" Floor tile (brown-flecked) with mastic	Floortile N.D. Mastic Chrysotile 3
91	First Floor	Room 113	--	2' x2' Ceiling panel-pocked	N.D.
92A	First Floor	Hallway by 121	--	Wall skim coat (on block wall)	N.D.
92B	First Floor	Hallway by 136	--	Wall skim coat (on block wall)	N.D.
92C	First Floor	Hallway by 133	--	Wall skim coat (on block wall)	N.D.
92D	First Floor	Hallway by 133	--	Wall skim coat (on block wall)	N.D.
92E	Second Floor	Hallway	--	Wall skim coat (on block wall)	N.D.
92F	Second Floor	Hallway by 240	--	Wall skim coat (on block wall)	N.D.
93	Second Floor	Room 200	--	2' x 2' Ceiling panel- pocked	N.D.
94	Second Floor	Room 200	--	12" x 12" Ceiling tile- fissured with adhesive (brown)	N.D.
95	Second Floor	Room 200	--	Wall paper and adhesive	N.D.
96	Second Floor	Room 215	--	2' x 2' Ceiling panel- textured	N.D.
97	Second Floor	Women's Room	Upper South Lobby	2" x 2" Ceramic floor tile (white) with adhesive and grout	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>		
98	Second Floor	Women's Room	Upper South Lobby	1" x 1" Ceramic floor tile (multi-color) with adhesive and grout	N.D.		
99	Second Floor	Women's Room	Upper South Lobby	Ceramic wall tile (multi-color) with adhesive and grout	N.D.		
100	Second Floor	Women's Room	Upper South Lobby	Ceramic base (white) with adhesive and grout	N.D.		
101	Second Floor	Men's Room	Upper South Lobby	1" x 1" Ceramic floor tile (tan/brown) with adhesive and grout	N.D.		
102	Second Floor	Men's Room	Upper South Lobby	1" x 1" Ceramic wall tile (tan/brown) with adhesive and grout	N.D.		
103	Second Floor	Men's Room	Upper South Lobby	2" x 2" Ceramic wall tile (tan) with adhesive and grout	N.D.		
<b>104A</b>	<b>Second Floor</b>	<b>Hall of Tribes</b>	<b>Banquet Pantry</b>	<b>Vermiculite</b>	<b>Chrysotile</b>	<b>&lt;0.25</b>	<b>PC <sup>4</sup></b>
<b>104B</b>	<b>Second Floor</b>	<b>Hall of Tribes</b>	<b>Banquet Pantry</b>	<b>Vermiculite</b>	<b>Chrysotile</b>	<b>&lt;0.25</b>	<b>PC</b>
<b>104C</b>	<b>Second Floor</b>	<b>Hall of Tribes</b>	<b>Banquet Pantry</b>	<b>Vermiculite</b>	<b>Chrysotile</b>	<b>&lt;0.25</b>	<b>PC</b>
105	Second Floor	Hall of Tribes	Banquet Pantry	12" x 12" Ceiling tile - fissured/splined	N.D.		
106	Second Floor	Hall of Tribes	Banquet Pantry	Interior window glazing (gray)	N.D.		
<b>107</b>	<b>Second Floor</b>	<b>Hall of Tribes</b>	<b>Banquet Pantry</b>	<b>Interior window caulking (tan)</b>	<b>Chrysotile</b>	<b>6</b>	
<b>108</b>	<b>Second Floor</b>	<b>Hall of Tribes</b>	<b>Banquet Pantry</b>	<b>Duct joint gasket (on uninsulated ducts)</b>	<b>Chrysotile</b>	<b>50</b>	
109	Second Floor	Main Lobby	Central Stairwell	2' x 2' Ceramic floor tile with adhesive	N.D.		
110	Second Floor	Men's Room	Northwest	Ceramic wall tile adhesive with grout (brown)	N.D.		
111	Second Floor	Men's Room	Northwest	Ceramic floor tile adhesive with grout (brown)	N.D.		
112A	First Floor	Room 303	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
112B	First Floor	Room 302	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
112C	First Floor	Room 301	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
113A	First Floor	Room 303	--	Wall skim coat (on block wall)	N.D.		
113B	First Floor	Room 302	--	Wall skim coat (on block wall)	N.D.		
113C	First Floor	Room 301	--	Wall skim coat (on block wall)	N.D.		
113D	First Floor	Room 304	--	Wall skim coat (on block wall)	N.D.		
113E	First Floor	Room 305	--	Wall skim coat (on block wall)	N.D.		
114	First Floor	Room 303	--	2' x 2' Ceiling panel- pocked	N.D.		
<b>115</b>	<b>First Floor</b>	<b>Room 303</b>	<b>--</b>	<b>Mirror adhesive (black)</b>	<b>Chrysotile</b>	<b>15</b>	

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
116	First Floor	Room 303	--	Ceramic floor tile adhesive with grout (gold)	N.D.
117	First Floor	Room 303	--	Ceramic wall tile adhesive with grout (brown)	N.D.
118	First Floor	Room 303	--	Ceramic countertop (gray)	N.D.
119	<b>First Floor</b>	<b>Room 303</b>	--	<b>Sunk undercoating (gray)</b>	<b>Chrysotile 4</b>
120	<b>First Floor</b>	<b>Room 303</b>	--	<b>Transite window panels</b>	<b>Chrysotile 20</b>
121	First Floor	Room 303	--	Wallpaper and adhesive	N.D.
122	First Floor	Room 302	--	Ceramic floor tile with adhesive and grout (dark green)	N.D.
123	First Floor	Room 302	--	Ceramic wall tile with adhesive and grout (green)	N.D.
124	First Floor	Room 301	--	Ceramic floor tile with adhesive and grout (black)	N.D.
125	First Floor	Room 301	--	Ceramic wall tile with adhesive and grout (black)	N.D.
126	First Floor	Rooms 301-303	Hallway	Carpet adhesive (tan)	N.D.
127	First Floor	Rooms 301-303	Hallway	Interior window caulking (black)	N.D.
128A	<b>Second Floor</b>	<b>Room 306</b>	--	<b>Spray applied ceiling texture</b>	<b>Chrysotile 2</b>
128B	<b>Second Floor</b>	<b>Room 306</b>	--	<b>Spray applied ceiling texture</b>	<b>N.A.</b>
128C	<b>Second Floor</b>	<b>Room 305</b>	--	<b>Spray applied ceiling texture</b>	<b>N.A.</b>
128D	<b>Second Floor</b>	<b>Room 305</b>	--	<b>Spray applied ceiling texture</b>	<b>N.A.</b>
128E	<b>Second Floor</b>	<b>Room 304</b>	--	<b>Spray applied ceiling texture</b>	<b>N.A.</b>
129	Second Floor	Room 304	--	Ceramic floor tile with adhesive and grout (tan/brown)	N.D.
130	Second Floor	Room 304	--	Ceramic wall tile with adhesive and grout (tan/brown)	N.D.
131	Second Floor	Room 304	--	Ceramic countertop adhesive (brown)	N.D.
132	Second Floor	Room 305	--	Sheetrock/joint compound	N.D.
133	Second Floor	Yakima Room	--	2' x 2' Ceiling panel- fissured	N.D.
134 A-C	Second Floor	Storage Family Room	--	Wall texture	N.D.
135	Second Floor	Miami Room	--	2' x 2' Ceiling panel- pocked	N.D.
136A	Second Floor	Miami Room	--	Roof decking texture	N.D.
136B	Second Floor	Miami Room	--	Roof decking texture	N.D.
136C	Second Floor	Miami Room	--	Roof decking texture	N.D.



Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>		
137	Second Floor	West Menomonie Room	--	Roof decking material	N.D.		
138A	Second Floor	West Menomonie Room	--	Rain leader Insulation	N.D.		
138B	Second Floor	West Menomonie Room	--	Rain leader Insulation	N.D.		
138C	Second Floor	West Menomonie Room	--	Rain leader Insulation	N.D.		
<b>139</b>	<b>Second Floor</b>	<b>West Menomonie Room</b>	<b>--</b>	<b>12" x 12" Floor tile (brown-flecked) with mastic</b>	<b>Floortile</b>	<b>N.D.</b>	
					<b>Mastic</b>	<b>Chrysotile</b>	<b>10</b>
140	First Floor	Main Entrance	Lobby	9" x 9" Floor tile (black) with black mastic	N.D.		
141	First Floor	Room 155	--	2' x 2' Ceiling panel- pocked	N.D.		
142	First Floor	Room 155	--	2' x 4' Ceiling panel- pocked	N.D.		
143A	First Floor	Room 155	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
143B	First Floor	Hallway	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
143C	First Floor	Hallway	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.		
<b>144A</b>	<b>First Floor</b>	<b>Room 155</b>	<b>--</b>	<b>Spray applied fireproofing on beams</b>	<b>Chrysotile</b>	<b>20</b>	
<b>144B</b>	<b>First Floor</b>	<b>Room 163</b>	<b>--</b>	<b>Spray applied fireproofing on beams</b>	N.A		
<b>144C</b>	<b>Second Floor</b>	<b>Room 261</b>	<b>--</b>	<b>Spray applied fireproofing on beams</b>	N.A.		
<b>145</b>	<b>First Floor</b>	<b>Room 155</b>	<b>--</b>	<b>Transite window panels</b>	<b>Chrysotile</b>	<b>20</b>	
<b>146</b>	<b>First Floor</b>	<b>Room 155</b>	<b>--</b>	<b>Mirror adhesive (black) behind sink</b>	<b>Chrysotile</b>	<b>10</b>	
147	First Floor	Room 155	--	Mirror adhesive (upright mirror)	N.D.		
148	First Floor	Room 155	--	Ceramic floor tile with adhesive and grout (white)	N.D.		
149	First Floor	Room 155	--	Ceramic wall tile with adhesive and grout (white)	N.D.		
150	First Floor	Hallway by Rm 155	--	Carpet adhesive (tan)	N.D.		
<b>151</b>	<b>First Floor</b>	<b>Room 155</b>	<b>--</b>	<b>Interior window glazing (gray)</b>	<b>Chrysotile</b>	<b>2</b>	
152	First Floor	Room 155	--	Wallpaper adhesive	N.D.		
153A	First Floor	Room 155	--	Plaster	N.D.		
153B	First Floor	Room 164	--	Plaster	N.D.		
153C	Second Floor	Room 261	--	Plaster	N.D.		
154	First Floor	Room 155	--	Sheetrock/joint compound	N.D.		

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
155A	First Floor	Room 155	--	Skim coat- on block wall	N.D.
155B	First Floor	Room 164	--	Skim coat- on block wall	N.D.
155C	Second Floor	Room 261	--	Skim coat- on block wall	N.D.
156	First Floor	Room 155	--	Sheetrock adhesive (tan)	N.D.
157	First Floor	Room 155	--	Countertop adhesive (tan)	N.D.
158	First Floor	Room 153	--	Countertop adhesive (tan)	N.D.
159	First Floor	Hallway	--	Ceramic wall tile with adhesive and grout (beige)	N.D.
160	First Floor	Hallway	--	Ceramic floor tile with adhesive and grout (red/brown)	N.D.
161	First Floor	Room 151	--	1" x 1" Ceramic floor tile with adhesive and grout (white)	N.D.
162	Second Floor	Room 264	--	12" x 12" Ceiling tile- fissured with adhesive (brown)	N.D.
163	Second Floor	Room 264	--	Ceiling tile with adhesive (brown) (associated with #162)	N.D.
164	First Floor	Room 161	--	Transite window panel caulking (white)	N.D.
165	Second Floor	Room 308	--	Carpet baseboard adhesive (tan)	N.D.
166	Second Floor	Room 308	--	Wall adhesive on brick (brown)	N.D.
<b>167</b>	<b>Second Floor</b>	<b>Room 308</b>	--	<b>Interior window glazing</b>	<b>Chrysotile 3</b>
168	Second Floor	Southwest Hallway	--	2' x 2' Ceiling panel- pocked	N.D.
169	Second Floor	Southwest Hallway	--	Carpet adhesive (tan) with floor leveler	N.D.
170	Second Floor	Southwest Hallway	--	Wallpaper adhesive (tan)	N.D.
171A	Second Floor	Storage Closet	By SW Stairwell	Spray applied fireproofing (gray fluffy)	N.D.
171B	Second Floor	Room 439	--	Spray applied fireproofing (gray fluffy)	N.D.
171C	First Floor	Room 403	--	Spray applied fireproofing (gray fluffy)	N.D.
171D	First Floor	Room 412	--	Spray applied fireproofing (gray fluffy)	N.D.
171E	First Floor	Basement	--	Spray applied fireproofing (gray fluffy)	N.D.
<b>172</b>	<b>Second Floor</b>	<b>Storage Closet</b>	<b>By SW Stairwell</b>	<b>12" x 12" Floor tile (brown-flecked) with mastic</b>	<b>Floortile N.D.</b> <b>Mastic Chrysotile 6</b>
173	Second Floor	Storage Closet	By SW Stairwell	Vinyl baseboard (brown) with adhesive	N.D.
174A	Second Floor	Hallway	--	Wall Skimcoat on block wall	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
174B	Second Floor	Room 439	--	Wall Skimcoat on block wall	N.D.
174C	First Floor	Room 417	--	Wall Skimcoat on block wall	N.D.
174D	First Floor	Room 424	--	Wall Skimcoat on block wall	N.D.
174E	First Floor	Hallway	--	Wall Skimcoat on block wall	N.D.
<b>175</b>	<b>Second Floor</b>	<b>Room 439</b>	<b>--</b>	<b>Mirror adhesive (black) behind sink</b>	<b>Chrysotile 20</b>
176	Second Floor	Room 439	--	Mirror adhesive (tan) (upright mirror) (435)	N.D.
177	Second Floor	Room 439	--	Countertop and mortar (brown) 439	N.D.
178	Second Floor	Room 439	--	Ceramic floor tile with adhesive and grout (beige)	N.D.
179	Second Floor	Room 439	--	Ceramic wall tile with adhesive and grout (tan)(1" squares)	N.D.
180	Second Floor	Room 439	--	Sheetrock (439)	N.D.
181A	Second Floor	Room 439	--	Plaster (439)	N.D.
181B	First Floor	Room 419	--	Plaster (439)	N.D.
181C	First Floor	Hallway	--	Plaster (439)	N.D.
182	Second Floor	Room 439	--	Metal window panel	N.D.
183	First Floor	Storage	By Room 401	Sheetrock/joint compound	N.D.
184A	Second Floor	Storage	By Room 431	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
184B	First Floor	Storage	By Room 401	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
184C	Basement	Boiler Room	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
185	First Floor	Room 403	--	Ceramic floor tile with adhesive and grout (white)	N.D.
186	First Floor	Room 179	--	2' x 2' Ceiling panel- pocked	N.D.
187	First Floor	Room 198	--	Countertop and mortar (brown)	N.D.
188	First Floor	Room 198	--	Wallpaper and adhesive (tan)	N.D.
189A	First Floor	Room 179	--	Wall Skimcoat on block wall	N.D.
189B	First Floor	Room 198	--	Wall Skimcoat on block wall	N.D.
189C	First Floor	Room 184	--	Wall Skimcoat on block wall	N.D.
190A	First Floor	Room 184	--	Plaster	N.D.
190B	Second Floor	Room 286	--	Plaster	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
190C	Second Floor	Room 290	--	Plaster	N.D.
191A	First Floor	Room 198	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Amosite 2
191B	Basement		--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.A.
191C	First Floor	Room 187	--	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.A.
192	First Floor	Room 179	--	Ceramic wall tile with adhesive and grout (beige)	N.D.
193	First Floor	Room 198	--	Ceramic floor tile with adhesive and grout (white)	N.D.
194	First Floor	Room 198	--	Transite panel with adhesive	Chrysotile 20 Adhesive N.D.
195	First Floor	Room 198	--	Transite panel glazing (Dk. Gray)	Chrysotile 15
196	First Floor	Room 179	--	Window glazing	N.D.
197	First Floor	Room 179	--	Mirror adhesive (black ) (behind sink)	Chrysotile 15
198	First Floor	Room 179	--	Mirror adhesive (black ) (next to bed)	Chrysotile 15
199	First Floor	Room 179	--	Adhesive on Styrofoam above windows (tan)	Chrysotile 6
200	First Floor	Room 180	--	2' x 2' Ceiling panel- pocked	N.D.
201	First Floor	Room 180	--	Transite panel glazing	N.D.
202	First Floor	Room 180	--	Window glazing (gray)	Chrysotile 15
203	First Floor	Room 189	--	Mirror adhesive (tan) (upright mirror)	N.D.
204	First Floor	Room 192	--	2' x 2' Ceiling panel- pocked	N.D.
205A	Second Floor	Room 264	--	Sheetrock/joint compound	N.D.
205B	Second Floor	Room 264	--	Sheetrock/joint compound	N.D.
205C	Second Floor	Room 264	--	Sheetrock/joint compound	N.D.
206A	Second Floor	Room 264	--	Wall texture	N.D.
206B	Second Floor	Room 264	--	Wall texture	N.D.
206C	Second Floor	Room 264	--	Wall texture	N.D.
207	Second Floor	Room 264	--	Ceramic wall tile with adhesive and grout (green)	N.D.
208	Second Floor	Room 264	--	Carpet adhesive (tan)	N.D.
209	Second Floor	Hallway	--	Ceramic floor tile (brown)	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>		
210	First Floor	Hallway	--	Window glazing- sky light	N.D.		
211	First Floor	Hallway	--	Ceramic floor tile (white)	N.D.		
212	First Floor	Hallway	--	Ceramic floor tile (red)	N.D.		
213	First Floor	Hallway	--	9" x 9" Floor tile (tan-striated) with mastic	Floortile	Chrysotile	8
					Mastic	Chrysotile	6
214	First Floor	Hallway	--	Vinyl baseboard with adhesive (tan)	N.D.		
215	First Floor	Pool Area	--	Transite panels	Chrysotile	20	
216	First Floor	Pool Area	--	Ceramic tile around pool (red) with grout	N.D.		
217	First Floor	Pool Area	--	Ceramic tile around pool (blue) with grout	N.D.		
218	First Floor	Pool Area	--	Decorative wall rock with adhesive	Rock	N.D.	
					Adhesive	Chrysotile	4
219	Second Floor	Hallway	--	2' x 2' Ceiling panel- pocked	N.D.		
220A	Basement	Boiler Room	Orange	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	Chrysotile	25	
220B	Basement	Boiler Room	Light Blue	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.A.		
220C	Basement	Boiler Room	Orange	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.A.		
221 A-C	Basement	Boiler Room	Orange	Tank insulation	Chrysotile	20	
					Amosite	20	
222 A-C	Basement	Boiler Room	Orange	Boiler breeching	Chrysotile	20	
					Amosite	20	
223	Basement	Boiler Room	Orange	Burner gasket	Chrysotile	90	
224	Basement	Boiler Room	Orange	Duct vibration gasket (black)	N.D.		
225	First Floor	Stairwell to Basement	--	Fire door insulation	Amosite	20	
					Chrysotile	20	
226A	First Floor	Northeast Stairwell	--	Spray applied ceiling texture	Chrysotile	3	
226B	First Floor	Northeast Stairwell	--	Spray applied ceiling texture	N.A.		
226C	First Floor	Northeast Stairwell	--	Spray applied ceiling texture	N.A.		
227	First Floor	Northeast Stairwell	--	Mirror adhesive (black)	Chrysotile	20	
228A	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	Chrysotile	2	
228B	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.		
228C	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.		

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
228D	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.
228E	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.
228F	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.
228G	Exterior	Overhang Addition	North	Overhang ceiling texture (gray) (also on columns)	N.A.
229	Exterior	Addition	North	Sheetrock (under (N) #228)	N.D.
230	Exterior	Addition	North	Styrofoam panel adhesive (black) north	Chrysotile 4
231	Exterior	Addition	North	Decorative rock caulking (tan) north	N.D.
232	Exterior	Addition	North	Window caulking (gray) north	N.D.
233	Exterior	Addition	North	Door caulking (white) north	N.D.
234	Exterior	Addition	North	Decorative rock expansion caulk (gray) north	N.D.
235A	Exterior	Addition	North	Column texture (gray) west	N.D.
235B	Exterior	Addition	North	Column texture (gray) west	N.D.
235C	Exterior	Addition	North	Column texture (gray) west	N.D.
235D	Exterior	Addition	West	Column texture (gray) west	N.D.
235E	Exterior	Addition	West	Column texture (gray) west	N.D.
236	Exterior	Addition	West	Large window and door caulking (brown) west	N.D.
237	Exterior	Addition	West	Building expansion caulking (white) west	N.D.
238	Exterior	Addition	East	Window caulking (white) (on brick)	N.D.
239	Exterior	Addition	East	Window frame caulking (gray)	N.D.
240	Exterior	Addition	East	Window glazing (gray)	N.D.
241	Exterior	Addition	East	Window base caulking (gray) (bottom of panel)	Chrysotile 8
242	Exterior	Addition	South	Window glazing (gray) brittle	Chrysotile 3
243	Exterior	Addition	South	Window caulking (gray) (on brick) brittle	Chrysotile 4
244	Exterior	Addition	South	Window frame caulking (gray)	N.D.
245	Exterior	Addition	South	Window glazing (gray) brittle	Chrysotile 5
246	Exterior	Addition	South	Window glazing (gray) (over #245)	N.D.
247	Exterior	Addition	South	Window caulking (gray) on column	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
248	Exterior	Addition	South	Transite window panel glazing (gray)	N.D.
<b>249</b>	<b>Exterior</b>	<b>Addition</b>	<b>South</b>	<b>Window glazing (gray) brittle</b>	<b>Chrysotile 4</b>
250	Exterior	Addition	North		N.D.
251	Exterior	Addition	West	Door and window caulking (brown)	N.D.
252	Exterior	Addition	West	Window glazing (brown)	N.D.
253	Exterior	Addition	West	Asphalt roof base	N.D.
<b>254</b>	<b>Exterior</b>	<b>Addition</b>	<b>West</b>	<b>Asphalt roof flashing (with silver paint)</b>	<b>Flashing N.D.</b> <b>Silver paint Chrysotile 6</b>
255	Exterior	Addition	North	Asphalt roof base	N.D.
256	Exterior	Addition	North	Asphalt roof flashing	N.D.
<b>257</b>	<b>Exterior</b>	<b>Addition</b>	<b>North</b>	<b>Gray tarry seam sealer and patch</b>	<b>Chrysotile 8</b>
<b>258</b>	<b>Exterior</b>	<b>Addition</b>	<b>West</b>	<b>Duct seam gasket- woven cloth</b>	<b>Chrysotile 95</b>
259 A-C	Roof	Addition	East	Elevator tower siding texture	N.D.
260	Roof	Addition	West	Duct beam wrap (black)	N.D.
261	Roof	Addition	East	Asphalt roof base	N.D.
<b>262</b>	<b>Roof</b>	<b>Addition</b>	<b>East</b>	<b>Asphalt roof flashing (with silver paint)</b>	<b>Silver paint Chrysotile 2</b> <b>Tarpaper Chrysotile 25</b> <b>Flashing Chrysotile 10</b>
263	Roof	Addition	West	Rolled asphalt roofing with patching	N.D.
264	Roof	Addition	East	Asphalt roof base	N.D.
<b>265</b>	<b>Roof</b>	<b>Addition</b>	<b>East</b>	<b>Asphalt roof flashing (with silver paint)</b>	<b>Silver paint Chrysotile 6</b> <b>Tarpaper Chrysotile 25</b>
266	Roof	Addition	West	Asphalt roof base	N.D.
<b>267</b>	<b>Roof</b>	<b>Addition</b>	<b>Central</b>	<b>Asphalt roof flashing (with silver paint)</b>	<b>Silver paint Chrysotile 2</b> <b>Tarpaper Chrysotile 35</b> <b>Flashing Chrysotile 10</b>
268	Roof	Addition	Central	Asphalt roof base	N.D.
269	Roof	Addition	Central	Asphalt roof flashing	N.D.
<b>270</b>	<b>Roof</b>	<b>Addition</b>	<b>Central</b>	<b>Gray tarry seam sealer and patch</b>	<b>Black layer Chrysotile 15</b>
271	Roof	Addition	Central	Asphalt roof base	N.D.

Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>
272	Roof	Addition	Central	Asphalt roof flashing	N.D.
<b>273</b>	<b>Roof</b>	<b>Addition</b>	<b>Central</b>	<b>Gray tarry seam sealer and patch</b>	<b>Gray layer      Chrysotile      6</b> <b>Black layer      Chrysotile      15</b>
274A	Rooftop Penthouse	Addition	Central	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
274B	Rooftop Penthouse	Addition	Central	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
274C	Rooftop Penthouse	Addition	Central	1' - 6" Pipe fitting insulation on fiberglass insulated pipe	N.D.
275	Rooftop Penthouse	Addition	Central	Duct seam tape- canvas	N.D.
276	Rooftop Penthouse	Addition	Central	Duct vibration gasket (black)	N.D.
<b>277</b>	<b>Exterior</b>	<b>Addition</b>	<b>East</b>	<b>Foundation waterproofing (black)</b>	<b>Chrysotile      4</b>
<b>278</b>	<b>Exterior</b>	<b>Addition</b>	<b>West</b>	<b>Foundation waterproofing (black)</b>	<b>Chrysotile      4</b>
279	Exterior	Garage	West	Sheetrock/joint compound	N.D.
280	Exterior	Garage	West	Blown-in insulation (white)	N.D.
281	Exterior	Garage	West	Asphalt roof shingle- tarpaper	N.D.
282A	Exterior	Addition	North	Plaster fascia- above front entrance	N.D.
282B	Exterior	Addition	North	Plaster fascia- above front entrance	N.D.
282C	Exterior	Addition	North	Plaster fascia- above front entrance	N.D.
282D	Exterior	Addition	North	Plaster fascia- above front entrance	N.D.
282E	Exterior	Addition	North	Plaster fascia- above front entrance	N.D.
283	Exterior	Courtyard	North	12" x 12" Ceramic tile with mortar (bartop and backer board)	N.D.
284	Exterior	Courtyard	North	Paver caulking (gray)	N.D.
285A	Exterior	Courtyard	North	Column texture (gray)	N.D.
285B	Exterior	Courtyard	North	Column texture (gray)	N.D.
285C	Exterior	Courtyard	North	Column texture (gray)	N.D.
286	Exterior	Courtyard	North	Paver (concrete) (red)	N.D.

\* Materials containing 1 percent of asbestos or less are not considered to be asbestos-containing materials by the U.S.EPA.

1. Asbestos content is indicated as an approximate percent by area.
2. N.D. = None Detected
3. N.A. = Not Analyzed
4. PC = Point Count 400 Analysis



## **Appendix C**

### **Table III. Lead-Based Paint Testing Results**

**Table III. Lead-Based Paint Testing**

Client: The Port Authority of the City of Bloomington, MN

Location: Ramada (former Thunderbird), 2300 East American Blvd., Bloomington, MN

Date of Inspection: May 23 - June 7, 2016

Project: B1604822

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
1	Calibration			Surface			1.10	NA
2	Calibration			Buried			1.00	NA
3	Calibration			Surface			1.10	NA
2300 East American Blvd., Bloomington, Minnesota								
4	East Basement	1963 Addition	Laundry Room	Wall	Concrete	Beige	0.00	G
5	East Basement	1963 Addition	Laundry Room	Column	Concrete	Beige	0.00	G
6	East Basement	1963 Addition	Laundry Room	Floor	Concrete	Gray	0.00	G
7	East Basement	1963 Addition	Laundry Room	Air unit	Metal	Beige	0.10	G
8	East Basement	1963 Addition	Laundry Room	Laundry Units	Metal	Turquoise	0.00	G
9	East Basement	1963 Addition	Laundry Room	Wall	Concrete Block	Beige	0.00	G
10	East Basement	1963 Addition	Laundry Room	Door	Metal	Brown	0.00	G
11	East Basement	1963 Addition	Laundry Room	Door Frame	Metal	Brown	0.04	G
12	East Basement	1963 Addition	Laundry Room	Air Duct	Metal	Beige	0.00	G
13	East Basement	1963 Addition	Laundry Room	Deck	Concrete	Beige	0.00	G
14	East Basement	1963 Addition	Laundry Room	Beam	Concrete	Beige	0.00	G
15	East Basement	1963 Addition	Laundry Room	Elevator Door	Metal	Orange	0.00	G
16	East Basement	1963 Addition	West Hall	Floor	Concrete	Gray	0.00	G
17	East Basement	1963 Addition	Boiler Room	Floor	Concrete	Gray	0.00	G
18	East Basement	1963 Addition	Boiler Room	Floor	Concrete	Red	0.00	G
19	East Basement	1963 Addition	Boiler Room	Floor	Concrete	Yellow	2.60	G
20	East Basement	1963 Addition	Boiler Room	Boiler	Metal	Red	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
21	East Basement	1963 Addition	Boiler Room	Wall	Concrete Block	White	0.00	G
22	East Basement	1963 Addition	Boiler Room	Wall	Concrete	White	0.00	G
23	East Basement	1963 Addition	Boiler Room	Deck	Concrete	Gray	0.00	G
24	East Basement	1963 Addition	Boiler Room	Door	Metal	Black	0.00	G
25	East Basement	1963 Addition	Boiler Room	Door Frame	Metal	Black	0.00	G
26	East Basement	1963 Addition	Boiler Room	Column	Concrete	White	0.00	G
27	East Basement	1963 Addition	Boiler Room	Chillers	Metal	Blue	0.22	G
28	East Basement	1963 Addition	Boiler Room	Boiler Pipes	Metal	Orange	0.12	G
29	East Basement	1963 Addition	Boiler Room	Elevator Electrical Door	Metal	Blue	0.00	G
30	East Basement	1963 Addition	Boiler Room	Pipe	Metal	Black	0.00	G
31	East Basement	1963 Addition	Boiler Room	Stair Stringer	Metal	Black	0.17	G
32	East Basement	1963 Addition	Boiler Room	Stair Railing	Metal	Black	0.05	G
33	East Basement	1963 Addition	Boiler Room	Pipe	Metal	Green	0.00	G
34	East Basement	1963 Addition	Boiler Room	Electrical Panel	Metal	Blue	0.00	G
35	East Basement	1963 Addition	E. Air Unit/Storage Room	Air Unit	Metal	Gray	0.00	G
36	East Basement	1963 Addition	E. Air Unit/Storage Room	Wall	Concrete	White	0.05	G
37	East Basement	1963 Addition	E. Air Unit/Storage Room	Wall	Concrete Block	White	0.00	G
38	East Basement	1963 Addition	E. Air Unit/Storage Room	Door	Metal	White	0.00	G
39	East Basement	1963 Addition	E. Air Unit/Storage Room	Door Frame	Metal	White	0.00	G
40	East Basement	1963 Addition	E. Air Unit/Storage Room	Pipe	Metal	White	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
41	East Basement	1963 Addition	E. Air Unit/Storage Room	Air Duct	Metal	White	0.70	G
42	East Basement	1963 Addition	E. Air Unit/Storage Room	Dock	Concrete	White	0.00	G
43	East Basement	1963 Addition	Offices	Window Frame	Metal	Black	0.00	G
44	East Basement	1963 Addition	North Hall	Door	Metal	Orange	0.17	G
45	East Basement	1963 Addition	North Hall	Door Frame	Metal	Orange	0.05	G
46	East Basement	1963 Addition	NE Stairwell	Stair Stringer	Metal	Rust	0.06	G
47	East Basement	1963 Addition	NE Stairwell	Stair Railing	Metal	Rust	0.09	G
48	East Basement	1963 Addition	NE Sprinkler room	Floor Tile	Ceramic	Brown	0.00	G
49	East Basement	1963 Addition	Comm. room	Wall	Wood	White	0.00	G
50	East Basement	1963 Addition	North Hall	Door	Metal	Black	0.00	G
51	East Basement	1963 Addition	Kitchen	Wall	Concrete	White	0.00	G
52	East Basement	1963 Addition	Kitchen	Wall	Concrete Block	White	0.00	G
53	East Basement	1963 Addition	Kitchen	Floor	Concrete	Gray	0.00	G
54	East Basement	1963 Addition	Kitchen	Deck	Concrete	Gray	0.00	G
55	East Basement	1963 Addition	Kitchen	Floor Tile	Ceramic	Brown	0.00	G
56	East Basement	1963 Addition	Kitchen	Wall Tile	Ceramic	White	0.00	G
57	East Basement	1963 Addition	Kitchen	Pipe	Metal	Green	0.00	G
58	East Basement	1963 Addition	Locker rooms	Floor Tile	Ceramic	Brown	0.00	G
59	East Basement	1963 Addition	Locker rooms	Wall	Concrete Block	Tan	0.00	G
60	East Basement	1963 Addition	Locker rooms	Wall	Concrete Block	Pink	0.03	G
61	East Basement	1963 Addition	Locker rooms	Wall	Concrete Block	Cream	0.00	G
62	East Basement	1963 Addition	NE Storage room	Wall	Concrete	Black	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
63	East Basement	1963 Addition	Kitchen	Pipe	Metal	White	0.00	G
64	East Basement	1963 Addition	Kitchen	Door	Metal	Black	0.00	G
65	East Basement	1963 Addition	Kitchen	Door Frame	Metal	Black	0.00	G
66	East Basement	1963 Addition	NW Electrical room	Electrical Unit	Metal	Black	0.00	G
67	East Basement	1963 Addition	SW Stairs	Stairs	Concrete	Gray	0.06	G
68	East Basement	1963 Addition	SW Stairs	Stair Railing	Metal	Brown	0.00	G
69	Main Floor	1963 Addition	NE Offices/Entry	Door	Metal	Black	0.00	G
70	Main Floor	1963 Addition	NE Offices/Entry	Door Frame	Metal	Black	0.00	G
71	Main Floor	1963 Addition	NE Offices/Entry	Radiator	Metal	White	0.00	G
72	Main Floor	1963 Addition	NE Offices/Entry	Wall	Sheetrock	White	0.00	G
73	Main Floor	1963 Addition	NE Offices/Entry	Wall	Plaster	Gray	0.00	G
74	Main Floor	1963 Addition	NE Offices/Entry	Window Frame	Metal	Black	0.00	G
75	Main Floor	1963 Addition	Lobby	Column	Sheetrock	White	0.00	G
76	Main Floor	1963 Addition	Lobby	Soffit	Sheetrock	White	0.00	G
77	Main Floor	1963 Addition	Lobby	Wall	Sheetrock	Blue	0.00	G
78	Main Floor	1963 Addition	Lobby	Radiator	Metal	Black	0.00	G
79	Main Floor	1963 Addition	Lobby	Door	Wood	Tan	0.00	G
80	Main Floor	1963 Addition	Lobby	Door Frame	Metal	Brown	0.00	G
81	Main Floor	1963 Addition	Lobby	Stair Stringer	Metal	Silver	0.03	G
82	Main Floor	1963 Addition	Lobby	Deck	Concrete	Gray	0.00	G
83	Main Floor	1963 Addition	Lobby	Beam	Concrete	Gray	0.00	G
84	Main Floor	1963 Addition	Lobby	Floor	Concrete	Gray	0.00	G
85	Main Floor	1963 Addition	Pub Space	Wall	Plaster	Light Blue	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
86	Main Floor	1963 Addition	Pub Space	Radiator	Metal	Beige	0.09	G
87	Main Floor	1963 Addition	Pub Space	Railing	Metal	Black	0.05	G
88	Main Floor	1963 Addition	Pub Space	Deck	Concrete	Blue	0.00	G
89	Main Floor	1963 Addition	Pub Space	Deck	Concrete	Yellow	0.00	G
90	Main Floor	1963 Addition	Pub Kitchen	Floor Tile	Ceramic	Brown	0.00	G
91	Main Floor	1963 Addition	Pub Kitchen	Wall Tile	Ceramic	White	0.20	G
92	Main Floor	1963 Addition	Kitchen	Floor Tile	Ceramic	Brown	0.00	G
93	Main Floor	1963 Addition	Kitchen	Wall Tile	Ceramic	White	2.60	G
94	Main Floor	1963 Addition	Kitchen	Door	Wood	Brown	0.00	G
95	Main Floor	1963 Addition	Kitchen	Door Frame	Metal	Orange	0.06	G
96	Main Floor	1963 Addition	Kitchen	Elevator Door	Metal	Orange	0.00	G
97	Main Floor	1963 Addition	Kitchen	Elevator Door Frame	Metal	Orange	0.11	G
98	Main Floor	1963 Addition	Kitchen	Wall Tile	Ceramic	Lime	0.08	G
99	Main Floor	1963 Addition	Kitchen	Electrical Panel	Metal	Lime	0.00	G
100	Main Floor	1963 Addition	Kitchen	Wall Tile	Ceramic	Orange	0.14	G
101	Main Floor	1963 Addition	Kitchen	Wall	Concrete Block	Yellow	0.03	G
102	Main Floor	1963 Addition	Kitchen	Wall	Stucco	Gray	0.00	G
103	Main Floor	1963 Addition	Kitchen	Pull Down Door Frame	Metal	Orange	0.00	G
104	Main Floor	1963 Addition	Kitchen	Sliding Door	Metal	Brown	0.00	G
105	Main Floor	1963 Addition	Kitchen	Column	Concrete	Lime	0.00	G
106	Main Floor	1963 Addition	Kitchen Loading Dock	Wall	Concrete	Black	0.00	G
107	Main Floor	1963 Addition	Rooms #100-153	Door	Wood	Brown	0.00	G
108	Main Floor	1963 Addition	Rooms #100-153	Door Frame	Metal	Cream	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
109	Main Floor	1963 Addition	Rooms #100-153	Radiator	Metal	Cream	0.00	G
110	Main Floor	1963 Addition	Rooms #100-153	Wall	Sheetrock	White	0.00	G
111	Main Floor	1963 Addition	Rooms #100-153	Wall	Concrete Block	Green	0.04	G
112	Main Floor	1963 Addition	Rooms #100-153	Deck	Concrete	Gray	0.00	G
113	Main Floor	1963 Addition	Rooms #100-153	Floor Tile	Ceramic	White	0.09	G
114	Main Floor	1963 Addition	Rooms #100-153	Wall Tile	Ceramic	White	0.12	G
115	Main Floor	1963 Addition	Rooms #100-153	Wall	Plaster	Green	0.02	G
116	Main Floor	1963 Addition	Rooms #100-153	Electrical Panel	Metal	Cream	0.03	G
117	Main Floor	1963 Addition	Rooms #100-153	Window Panel	Transite	Cream	0.00	G
118	Main Floor	1963 Addition	Rooms #100-153	Door	Metal	Gray	0.00	G
119	Main Floor	1963 Addition	Rooms #100-153	Door	Metal	Cream	0.00	G
120	Main Floor	1963 Addition	Rooms #100-153	Floor Tile	Ceramic	Brown	0.00	G
121	Main Floor	1963 Addition	Rooms #100-153	Stair Stringer	Metal	Cream	0.00	G
122	Main Floor	1963 Addition	Rooms #100-153	Stair Railing	Metal	Cream	0.00	G
123	Main Floor	1963 Addition	Rooms #100-153	Deck	Concrete	Cream	0.00	G
124	Main Floor	1963 Addition	Rooms #100-153	Air Duct	Metal	Cream	0.05	G
125	Main Floor	1963 Addition	Rooms #100-153	Sprinkler Pipe	Metal	Cream	0.00	G
126	Main Floor	1963 Addition	Rooms #100-153	Column	Concrete	Cream	0.08	G
127	Main Floor	1963 Addition	Rooms #100-153	Wall	Concrete Block	Cream	0.00	G
128	Main Floor	1963 Addition	Rooms #100-153	Beam	Metal	Brown	0.03	G
129	Main Floor	1974 Addition	Suites #301-303	Door	Metal	Black	0.00	G
130	Main Floor	1974 Addition	Suites #301-303	Door Frame	Metal	Black	0.00	G
131	Main Floor	1974 Addition	Suites #301-303	Window Frame	Metal	Black	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
132	Main Floor	1974 Addition	Suites #301-303	Radiator	Metal	Cream	0.00	G
133	Main Floor	1974 Addition	Suites #301-303	Door	Wood	Brown	0.00	G
134	Main Floor	1974 Addition	Suites #301-303	Door Frame	Metal	Cream	0.00	G
135	Main Floor	1974 Addition	Suites #301-303	Floor Tile	Ceramic	Black	0.00	G
136	Main Floor	1974 Addition	Suites #301-303	Soffit	Sheetrock	White	0.00	G
137	Main Floor	1974 Addition	Suites #301-303	Wall Tile	Ceramic	White	0.05	G
138	Main Floor	1974 Addition	Suites #301-303	Radiator	Metal	Brown	0.06	G
139	Main Floor	1974 Addition	Suites #301-303	Window Panel	Transite	Black	0.00	G
140	Main Floor	1974 Addition	Suites #301-303	Pipe	Metal	Black	0.00	G
141	Main Floor	1974 Addition	Suites #301-303	Deck	Concrete	Gray	0.00	G
142	Main Floor	1974 Addition	Suites #301-303	Floor Tile	Ceramic	Green	0.10	G
<b>143</b>	<b>Main Floor</b>	1974 Addition	<b>Suites #301-303</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>Green</b>	<b>38.90</b>	<b>G</b>
144	Main Floor	1974 Addition	Suites #301-303	Floor Tile	Ceramic	Orange	0.00	G
<b>145</b>	<b>Main Floor</b>	1974 Addition	<b>Suites #301-303</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>Orange/Brown</b>	<b>39.30</b>	<b>G</b>
146	Main Floor	1974 Addition	Suites #301-303	Wall	Concrete Block	Gray	0.00	G
147	Main Floor	1974 Addition	Suites #301-303	Wall	Concrete Block	White	0.00	G
148	Main Floor	1974 Addition	Suites #301-303	Wall	Concrete Block	Black	0.00	G
149	Main Floor	1974 Addition	Suites #301-303	Stairs	Ceramic	White/Tan	0.00	G
150	Main Floor	1974 Addition	Suites #301-303	Stair Railing	Metal	Orange	0.00	G
151	Main Floor	1965 Addition	Rooms #154-178	Door	Wood	Brown	0.00	G
152	Main Floor	1965 Addition	Rooms #154-178	Door Frame	Metal	Cream	0.04	G
153	Main Floor	1965 Addition	Rooms #154-178	Floor Tile	Ceramic	White	0.04	G
<b>154</b>	<b>Main Floor</b>	1965 Addition	<b>Rooms #154-178</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>White</b>	<b>5.00</b>	<b>G</b>



Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
155	Main Floor	1965 Addition	Rooms #154-178	Radiator	Metal	Cream	0.03	G
156	Main Floor	1965 Addition	Rooms #154-178	Window Panel	Transite	Cream	0.00	G
157	Main Floor	1965 Addition	Rooms #154-178	Wall	Brick	Brown	0.00	G
158	Main Floor	1965 Addition	Rooms #154-178	Beam	Metal	Brown	0.04	G
159	Main Floor	1965 Addition	Rooms #154-178	Deck	Concrete	Gray	0.00	G
160	Main Floor	1965 Addition	Rooms #154-178	Wall	Plaster	White	0.00	G
161	Main Floor	1965 Addition	Rooms #154-178	Floor Tile	Ceramic	Brown	0.00	G
162	Main Floor	1965 Addition	Rooms #154-178	Deck	Concrete	Beige	0.00	G
163	Main Floor	1965 Addition	Rooms #154-178	Floor Tile	Ceramic	Beige	0.00	G
164	Main Floor	1965 Addition	Rooms #154-178	Electrical Panel	Metal	White	0.00	G
165	Main Floor	1965 Addition	Rooms #154-178	Wall	Brick	Brown	0.00	G
166	Main Floor	1965 Addition	Rooms #154-178	Stair Stringer	Metal	White	0.03	G
167	Main Floor	1965 Addition	Rooms #154-178	Stair Railing	Metal	White	0.00	G
168	Main Floor	1965 Addition	Rooms #154-178	Radiator	Metal	Cream	0.00	G
169	Main Floor	1965 Addition	Rooms #154-178	Window Frame	Metal	Black	0.00	G
170	Main Floor	1979 Addition	Rooms #401-429	Door	Wood	Brown	0.00	G
171	Main Floor	1979 Addition	Rooms #401-429	Door Frame	Metal	Cream	0.00	G
172	Main Floor	1979 Addition	Rooms #401-429	Floor	Concrete	Gray	0.00	G
173	Main Floor	1979 Addition	Rooms #401-429	Wall	Concrete Block	Beige	0.00	G
174	Main Floor	1979 Addition	Rooms #401-429	Wall	Sheetrock	Beige	0.00	G
175	Main Floor	1979 Addition	Rooms #401-429	Radiator	Metal	Black	0.00	G
176	Main Floor	1979 Addition	Rooms #401-429	Deck	Concrete	Gray	0.00	G
177	Main Floor	1979 Addition	Rooms #401-429	Wall Tile	Ceramic	Pink	0.12	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
178	Main Floor	1979 Addition	Rooms #401-429	Floor Tile	Ceramic	White	0.13	G
179	Main Floor	1979 Addition	Rooms #401-429	Wall Tile	Ceramic	Cream	0.02	G
180	Main Floor	1979 Addition	Rooms #401-429	Radiator	Metal	Cream	0.00	G
181	Main Floor	1979 Addition	Rooms #401-429	Window Frame	Metal	Black	0.00	G
182	Main Floor	1979 Addition	Rooms #401-429	Window Panel	Transite	Black	0.00	G
183	Main Floor	1979 Addition	Rooms #401-429	Stair	Ceramic	White/Tan	0.00	G
184	Main Floor	1979 Addition	Rooms #401-429	Stair Railing	Metal	Orange	0.00	G
185	Main Floor	1979 Addition	Rooms #401-429	Door	Metal	Cream	0.30	G
186	Basement/Crawl Space		1979 Addition	Wall	Concrete	White	0.00	G
187	Basement/Crawl Space		1979 Addition	Wall	Concrete Block	White	0.00	G
188	Basement/Crawl Space		1979 Addition	Deck	Concrete	Gray	0.00	G
189	Basement/Crawl Space		1979 Addition	Pipe	Metal	Orange	1.80	G
190	Basement/Crawl Space		1979 Addition	Deck	Metal	Brown	0.00	G
191	Calibration			Surface			1.10	NA
192	Calibration			Buried			1.00	NA
193	Calibration			Surface			1.20	NA
194	Calibration			Surface			1.10	NA
195	Calibration			Buried			1.10	NA
196	Calibration			Surface			0.90	NA
197	Rotunda Basement	1979 Addition		Floor	Cocnrete	Gray	0.00	G
198	Rotunda Basement	1979 Addition		Floor	Concrete	Red	0.00	G
199	Rotunda Basement	1979 Addition		Floor	Concrete	Yellow	0.90	G
200	Rotunda Basement	1979 Addition		Wall	Concrete	White	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
201	Rotunda Basement	1979 Addition	1979 Addition	Wall	Cocnrete Block	White	0.00	G
202	Rotunda Basement	1979 Addition	1979 Addition	Deck	Concrete	Gray	0.00	G
203	Rotunda Basement	1979 Addition	1979 Addition	Column	Concrete	White	0.00	G
204	Rotunda Basement	1979 Addition	1979 Addition	Boiler	Metal	Red	0.00	G
205	Rotunda Basement	1979 Addition	1979 Addition	Pipe	Metal	Red	0.06	G
206	Rotunda Basement	1979 Addition	1979 Addition	Column	Metal	Brown	0.00	G
207	Rotunda Basement	1979 Addition	1979 Addition	Railing	Metal	Brown	0.05	G
208	Main Floor	1979 Addition	Rooms #179-198	Floor	Concrete	Gray	0.00	G
209	Main Floor	1979 Addition	Rooms #179-198	Deck	Concrete	Gray	0.00	G
210	Main Floor	1979 Addition	Rooms #179-198	Column	Concrete	Gray	0.00	G
211	Main Floor	1979 Addition	Rooms #179-198	Wall	Brick	Brown	0.00	G
212	Main Floor	1979 Addition	Rooms #179-198	Door	Wood	Brown	0.00	G
213	Main Floor	1979 Addition	Rooms #179-198	Door Frame	Metal	Cream	0.07	G
214	Main Floor	1979 Addition	Rooms #179-198	Floor Tile	Ceramic	Gray/White	0.00	G
<b>215</b>	<b>Main Floor</b>	1979 Addition	<b>Rooms #179-198</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>Gray/White</b>	<b>2.20</b>	<b>G</b>
216	Main Floor	1979 Addition	Rooms #179-198	Wall	Plaster	White	0.00	G
217	Main Floor	1979 Addition	Rooms #179-198	Wall	Concrete Block	Gray	0.00	G
218	Main Floor	1979 Addition	Rooms #179-198	Radiator	Metal	Cream	0.00	G
219	Main Floor	1979 Addition	Rooms #179-198	Window Panel	Transite	Cream	0.00	G
220	Main Floor	1979 Addition	Rooms #179-198	Window Frame	Metal	Cream	0.00	G
221	Main Floor	1979 Addition	Rooms #179-198	Wall	Sheetrock	Cream	0.00	G
222	Main Floor	1979 Addition	Rooms #179-198	Wall Tile	Ceramic	Green	0.13	G
223	Main Floor	1979 Addition	Rooms #179-198	Floor Tile	Ceramic	Brown	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
224	Main Floor	1979 Addition	Rooms #179-198	Floor Tile	Ceramic	White	0.04	G
225	Main Floor	1979 Addition	Rooms #179-198	Wall Tile	Ceramic	White	0.08	G
226	Main Floor	1979 Addition	Rooms #179-198	Stairs	Terazzo	Tan/White	0.00	G
227	Main Floor	1979 Addition	Rooms #179-198	Railing	Metal	Black	0.10	G
228	Main Floor	1979 Addition	Rooms #179-198	Electrical Panel	Metal	Cream	0.00	G
229	Main Floor	1979 Addition	Rooms #179-198	Door	Metal	Brown	0.00	G
230	Main Floor	1979 Addition	Rooms #179-198	Door Frame	Metal	Brown	0.00	G
231	Main Floor	1979 Addition	Rooms #179-198	Pool	Concrete	White	0.60	G
<b>232</b>	<b>Main Floor</b>	1979 Addition	<b>Rooms #179-198</b>	<b>Pool Edge</b>	<b>Ceramic</b>	<b>Blue</b>	<b>3.30</b>	<b>G</b>
233	Main Floor	1979 Addition	Rooms #179-198	Pool Edge	Ceramic	Brown	0.00	G
234	Main Floor	1979 Addition	Rooms #179-198	Pool	Concrete	Black	0.00	G
235	Main Floor	1979 Addition	Rooms #179-198	Pool	Ceramic	White	0.00	G
236	2nd Floor	1979 Addition	Rooms #270-299	Door	Wood	Brown	0.00	G
237	2nd Floor	1979 Addition	Rooms #270-299	Door Frame	Metal	Cream	0.00	G
238	2nd Floor	1979 Addition	Rooms #270-299	Radiator	Metal	Cream	0.00	G
239	2nd Floor	1979 Addition	Rooms #270-299	Window Panel	Transite	Cream	0.00	G
240	2nd Floor	1979 Addition	Rooms #270-299	Wall	Concrete Block	Gray	0.00	G
241	2nd Floor	1979 Addition	Rooms #270-299	Deck	Concrete	Gray	0.00	G
242	2nd Floor	1979 Addition	Rooms #270-299	Floor Tile	Ceramic	White	0.09	G
<b>243</b>	<b>2nd Floor</b>	1979 Addition	<b>Rooms #270-299</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>White/Gray</b>	<b>2.00</b>	<b>G</b>
244	2nd Floor	1979 Addition	Rooms #270-299	Window Frame	Metal	Cream	0.00	G
245	2nd Floor	1979 Addition	Rooms #270-299	Wall	Plaster	White	0.00	G
246	2nd Floor	1979 Addition	Rooms #270-299	Balcony	Concrete	Black	0.00	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
247	2nd Floor	1979 Addition	Rooms #270-299	Balcony Railing	Metal	Black	0.90	G
248	2nd Floor	1979 Addition	Rooms #270-299	Pool Ceiling	Metal	Light Blue	0.00	G
249	2nd Floor	1979 Addition	Rooms #270-299	Pool Ceiling	Concrete	Light Blue	0.00	G
250	2nd Floor	1979 Addition	Rooms #431-463	Window Frame	Metal	Black	0.00	G
251	2nd Floor	1979 Addition	Rooms #431-463	Radiator	Metal	Cream	0.00	G
252	2nd Floor	1979 Addition	Rooms #431-463	Deck	Concrete	Gray	0.00	G
253	2nd Floor	1979 Addition	Rooms #431-463	Beam	Metal	Brown	0.00	G
254	2nd Floor	1979 Addition	Rooms #431-463	Floor Tile	Ceramic	Brown	0.00	G
255	2nd Floor	1979 Addition	Rooms #431-463	Wall Tile	Ceramic	Gray/White	0.05	G
256	2nd Floor	1979 Addition	Rooms #431-463	Floor Tile	Ceramic	Tan	0.00	G
257	2nd Floor	1979 Addition	Rooms #431-463	Window Panel	Fiberglass	Black	0.00	G
258	2nd Floor	1979 Addition	Rooms #431-463	Door	Wood	Brown	0.00	G
259	2nd Floor	1979 Addition	Rooms #431-463	Door	Metal	Cream	0.40	G
260	2nd Floor	1979 Addition	Rooms #431-463	Door Frame	Metal	Cream	0.14	G
261	2nd Floor	1979 Addition	Rooms #431-463	Deck	Concrete	Cream	0.00	G
262	2nd Floor	1979 Addition	Rooms #431-463	Wall	Concrete Block	Cream	0.00	G
263	2nd Floor	1979 Addition	Rooms #431-463	Radiator	Metal	Brown	0.00	G
264	2nd Floor	1979 Addition	Rooms #431-463	Wall	Plaster	White	0.00	G
265	2nd Floor	1979 Addition	Rooms #431-463	Floor Tile	Ceramic	Blue	0.00	G
266	2nd Floor	1965 Addition	Rooms #252-278	Door	Wood	Brown	0.00	G
267	2nd Floor	1965 Addition	Rooms #252-278	Door Frame	Metal	Cream	0.10	G
268	2nd Floor	1965 Addition	Rooms #252-278	Floor Tile	Ceramic	White	0.00	G
269	2nd Floor	1965 Addition	Rooms #252-278	Wall Tile	Ceramic	Beige	0.15	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
270	2nd Floor	1965 Addition	Rooms #252-278	Radiator	Metal	Cream	0.00	G
271	2nd Floor	1965 Addition	Rooms #252-278	Window Panel	Transite	Cream	0.00	G
272	2nd Floor	1965 Addition	Rooms #252-278	Wall	Plaster	Cream	0.00	G
273	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Window Frame	Metal	Black	0.00	G
274	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Radiator	Metal	Black	0.14	G
275	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Floor Tile	Ceramic	Brown	0.40	G
<b>276</b>	<b>2nd Floor</b>	1965 Addition	<b>Rooms #304-306 &amp; Suites</b>	<b>Wall Tile</b>	<b>Ceramic</b>	<b>Tan</b>	<b>3.40</b>	<b>G</b>
277	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Wall	Plaster	White	0.00	G
278	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Deck	Concrete	Gray	0.00	G
279	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Door	Wood	Brown	0.00	G
280	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Door Frame	Metal	Cream	0.00	G
281	2nd Floor	1965 Addition	Rooms #304-306 & Suites	Railing	Metal	Black	0.04	G
282	2nd Floor	Banquet Rooms		Floor Tile	Ceramic	Brown	0.00	G
283	2nd Floor	Banquet Rooms		Wall	Concrete Block	White	0.00	G
284	2nd Floor	Banquet Rooms		Wall	Concrete Block	Off-White	0.00	G
285	2nd Floor	Banquet Rooms		Elevator	Metal	Orange	0.04	G
286	2nd Floor	Banquet Rooms		Elevator Frame	Metal	Orange	0.04	G
287	2nd Floor	Banquet Rooms		Air Duct	Metal	White	0.00	G
288	2nd Floor	Banquet Rooms		Pipe	Metal	Green	0.00	G
289	2nd Floor	Banquet Rooms		Door	Metal	White	0.00	G
290	2nd Floor	Banquet Rooms		Door Frame	Metal	White	0.00	G
<b>291</b>	<b>2nd Floor</b>	<b>Banquet Rooms</b>		<b>Floor Tile</b>	<b>Ceramic</b>	<b>Tan</b>	<b>1.90</b>	<b>G</b>
292	2nd Floor	Banquet Rooms		Wall Tile	Ceramic	Tan	0.12	G

Sample I.D. No.	Room/Area			Component Description			Results	Paint Condition G = Good P = Peeling
293	2nd Floor	Banquet Rooms		Door	Metal	Orange	0.00	G
294	2nd Floor	Banquet Rooms		Door Frame	Metal	Orange	0.00	G
295	2nd Floor	Banquet Rooms		Wall	Plaster	White	0.00	G
296	2nd Floor	Banquet Rooms		Column	Plaster	White	0.00	G
297	2nd Floor	Banquet Rooms		Radiator	Metal	Black	0.00	G
298	2nd Floor	Banquet Rooms		Floor Tile	Ceramic	Green	0.00	G
299	2nd Floor	Banquet Rooms		Wall Tile	Ceramic	Blue	0.00	G
300	2nd Floor	1963 Addition	Rooms #200-253	Door	Metal	Cream	0.09	G
301	2nd Floor	1963 Addition	Rooms #200-253	Door Frame	Metal	Cream	0.00	G
302	2nd Floor	1963 Addition	Rooms #200-253	Door	Wood	Brown	0.00	G
303	2nd Floor	1963 Addition	Rooms #200-253	Deck	Concrete	Gray	0.00	G
304	2nd Floor	1963 Addition	Rooms #200-253	Floor Tile	Ceramic	White	0.04	G
305	2nd Floor	1963 Addition	Rooms #200-253	Wall Tile	Ceramic	Gray	0.00	G
306	2nd Floor	1963 Addition	Rooms #200-253	Radiator	Metal	Cream	0.00	G
307	2nd Floor	1963 Addition	Rooms #200-253	Window Panel	Transite	Cream	0.00	G
308	2nd Floor	1963 Addition	Rooms #200-253	Wall	Plaster	Green	0.04	G
309	2nd Floor	1963 Addition	Rooms #200-253	Wall	Plaster	White	0.00	G
310	2nd Floor	1963 Addition	Rooms #200-253	Pipe	Metal	Black	0.00	G
311	2nd Floor	1963 Addition	Rooms #200-253	Wall	Concrete Block	Cream	0.00	G
312	2nd Floor	1963 Addition	Rooms #200-253	Wall	Sheetrock	White	0.00	G
313	2nd Floor	1963 Addition	Rooms #200-253	Air Duct	Metal	Cream	0.00	G
314	2nd Floor	1963 Addition	Rooms #200-253	Deck	Concrete	Cream	0.00	G
315	Exterior	Interior Pool Area		Counter	Ceramic	Tan	0.00	G

Sample I.D. No.	Room/Area		Component Description			Results	Paint Condition G = Good P = Peeling
316	Exterior	Interior Pool Area	Shack	Wood	Brown	0.00	G
317	Exterior	Interior Pool Area	Pool	Concrete	White/Blue	0.00	G
<b>318</b>	<b>Exterior</b>	<b>Interior Pool Area</b>	<b>Pool Edge</b>	<b>Ceramic</b>	<b>Blue</b>	<b>6.50</b>	<b>G</b>
319	Exterior	Interior Pool Area	Window Frame	Metal	Black	0.00	G
320	Exterior	Interior Pool Area	Window Sill	Concrete	Blue	0.00	G
321	Exterior	Interior Pool Area	Column	Concrete	Blue	0.00	G
322	Exterior	Interior Pool Area	Door	Metal	Gray	0.00	G
323	Exterior	Interior Pool Area	Window Panel	Transite	Black	0.00	G
324	Exterior	Interior Pool Area	Shack Roof	Metal	Green	0.00	G
325	Exterior	Interior Pool Area	Fascia	Metal	Tan	0.00	G
326	Exterior	Interior Pool Area	Stair Stringer	Metal	Pink	0.09	G
327	Exterior		Door	Metal	Black	0.00	G
328	Exterior		Column	Concrete	Gray	0.00	G
329	Exterior		Soffit	Concrete	Gray	0.00	G
330	Exterior		Window Frame	Metal	Black	0.00	G
331	Exterior		Curb	Concrete	Yellow	0.03	P
332	Exterior		Door	Metal	Brown	0.00	G
333	Exterior		Door Frame	Metal	Brown	0.00	G
334	Exterior		Window Panel	Metal	Brown	0.00	G
335	Exterior		Soffit	Concrete	Brown	0.00	G
336	Exterior		Air Vent	Metal	Brown	0.00	G
337	Exterior		Parking Lot Pole	Metal	Orange	0.60	G
338	Exterior		Garage Door	Metal	Brown	0.00	G



Sample I.D. No.	Room/Area	Component Description			Results	Paint Condition G = Good P = Peeling
339	Exterior	Wall	Ceramic	Pink	0.19	G
340	Exterior	Railing	Metal	Brown	0.00	G
341	Exterior	Bumper Poles	Concrete	Red	0.04	G
342	Exterior	Dock Wall	Concrete	Gray	0.00	G
343	Exterior	Door	Metal	Brown	0.00	G
344	Exterior	Door Frame	Metal	Brown	0.00	G
345	Exterior	Light Pole	Metal	Brown	0.00	G
346	West Shed	Bumper Poles	Concrete	Yellow	0.00	G
347	West Shed	Garage Door	Metal	Brown	0.00	G
348	West Shed	Garage Door Frame	Wood	Brown	0.00	G
349	West Shed	Soffit	Wood	Brown	0.00	G
350	Exterior	HVAC	Metal	Light Green	0.00	G
351	Exterior	Parking Lot	Asphalt	Blue	0.00	G
352	Exterior	Parking Lot	Asphalt	White	0.00	G
353	Exterior	Window Panel	Transite	Gray	0.00	G
354	Penthouse	Wall	Metal	Blue	0.03	G
355	Penthouse	Wall	Metal	Gray	0.00	G
356	Penthouse	Beams	Metal	Gray	0.00	G
357	Roof	Fascia	Metal	Gray	0.03	G
358	Penthouse	Air Vent	Metal	Blue	0.00	G
359	Roof	NE Tower	Concrete	Gray	0.00	G
360	Roof	Parapit	Metal	White	0.12	P
361	Calibration	Surface			0.90	NA

**Table III. Lead-Based Paint Testing**

2300 East American Blvd., Bloomington, MN 55425

B1604822

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Sample I.D. No.	Room/Area	Component Description	Results	Paint Condition G = Good P = Peeling
362	Calibration	Buried	1.10	NA
363	Calibration	Surface	1.10	NA

mg/cm<sup>2</sup> = milligrams of lead per square centimeter of paint

**Appendix D**

**Bulk Asbestos Analysis Reports**



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603261

Customer ID: BRAU50

Customer PO:

Project ID:

**Attention:** Rob Nordby  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

**Project:** B16-04822

**Phone:** (952) 995-2688

**Fax:** (952) 995-2020

**Received Date:** 05/25/2016 8:30 AM

**Analysis Date:** 05/25/2016

**Collected Date:**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T-1 351603261-0001	2x4 - C.P. (Salmon Back)	Gray/White/Pink Fibrous Homogeneous	50% Cellulose 30% Min. Wool	10% Perlite 10% Non-fibrous (Other)	None Detected
T-2 351603261-0002	Fireproofing (Fluffy)	Gray Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
T-3 351603261-0003	Fireproofing (Rigid)	Gray/Silver Fibrous Homogeneous	5% Cellulose	10% Mica 70% Non-fibrous (Other)	15% Chrysotile

Analyst(s)

George Sullivan (3)

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 05/25/2016 11:10:53

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

3261

Company: <b>BRAUN</b>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <b>11001 Hampshire Ave So</b>		Third Party Billing requires written authorization from third party	
City: <b>WPI</b>	State/Province: <b>MA</b>	Zip/Postal Code:	Country:
Report To (Name): <b>ROBERT NORDBY</b>		Telephone #:	
Email Address: <b>rnordby@braunintec.com</b>		Fax #:	Purchase Order:
Project Name/Number: <b>B16-84822</b>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: <b>MA</b>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input checked="" type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <b>Other:</b> <input type="checkbox"/>			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: <b>John Hauschildt</b>		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
T-1	2x4 - C.P. (Salmon Back)		
T-2	Fireproofing (Fluffy)		
T-3	Fireproofing (Fidid)		
Client Sample # (s): <b>T-1, T-2, T-3</b>		Total # of Samples: <b>(3)</b>	
Relinquished (Client): <b>Robert Nordby</b>		Date: <b>5-25-2016</b>	Time:
Received (Lab): <b>McLayport WI</b>		Date: <b>5/25/16</b>	Time: <b>8:30</b>
Comments/Special Instructions: <b>Project - B1604822</b>			



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603319

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Rob Nordby  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

Project: B1604822

Phone: (952) 995-2688

Fax: (952) 995-2020

Received Date: 05/26/2016 2:15 PM

Analysis Date: 05/26/2016

Collected Date: 05/26/2016

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T-4 351603319-0001	Fireproofing (1965)	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
T-5 351603319-0002	Fireproofing (1979)	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
T-6 351603319-0003	2'x2' C.P.-Pocked (Rotunda)	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
93 351603319-0004	2'x2' C.P.-Pocked (1963-2nd Flr)	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
94 351603319-0005	12"x12" C.T.-Fissured w/ Adh. Pucks (1963-2nd Flr)	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected

Analyst(s)

Miles DelBusso (5)

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 05/26/2016 16:43:43



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only)

3319

CC: Shauschmidt@brauninterotec.com

Company: <u>Braun Interotec</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1001 Hampshire Ave. So.</u>		Third Party Billing requires written authorization from third party	
City: <u>Bloomington</u>	State/Province: <u>MN</u>	Zip/Postal Code: <u>55438</u>	Country: <u>U.S.</u>
Report To (Name): <u>Rob Nordby</u>		Telephone #: <u>ATTN: Jen Croft@Braun Interotec</u>	
Email Address: <u>RNordby@brauninterotec.com</u>		Fax #:	Purchase Order:
Project Name/Number: <u>B1604822</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>MN</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

## Turnaround Time (TAT) Options\* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Weeks

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

PCM - Air ☐ Check if samples are from NY☐ NIOSH 7400☐ w/ OSHA 8hr. TWA

## PLM - Bulk (reporting limit)

☒ PLM EPA 600/R-93/116 (<1%)☐ PLM EPA NOB (<1%)

Point Count

☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric

☐ 400 (<0.25%) ☐ 1000 (<0.1%)☐ NYS 198.1 (friable in NY)☐ NYS 198.6 NOB (non-friable-NY)☐ NIOSH 9002 (<1%)TEM - Air ☐ 4-4.5hr TAT (AHERA only)☐ AHERA 40 CFR, Part 763☐ NIOSH 7402☐ EPA Level II☐ ISO 10312

## TEM - Bulk

☐ TEM EPA NOB☐ NYS NOB 198.4 (non-friable-NY)☐ Chatfield SOP☐ TEM Mass Analysis-EPA 600 sec 2.5

## TEM - Water: EPA 100.2

Fibers >10µm ☐ Waste ☐ DrinkingAll Fiber Sizes ☐ Waste ☐ Drinking

## TEM- Dust

☐ Microvac - ASTM D 5755☐ Wipe - ASTM D6480☐ Carpet Sonication (EPA 600/J-93/167)

## Soil/Rock/Vermiculite

☐ PLM CARB 435 - A (0.25% sensitivity)☐ PLM CARB 435 - B (0.1% sensitivity)☐ TEM CARB 435 - B (0.1% sensitivity)☐ TEM CARB 435 - C (0.01% sensitivity)☐ TEM Qual. via Filtration Technique☐ TEM Qual. via Drop-Mount Technique

## Other:

☐☒ Check For Positive Stop - Clearly Identify Homogenous GroupFilter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µmSamplers Name: John HauschildtSamplers Signature: [Signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
T-4	Fireproofing (1965)		5/26/16 PM
T-5	↓ (1979)		
T-6	2'x2' C.P.-Pocked (Rotunda)		
93	2'x2' C.P.-Pocked (1963-2nd FIN)		
94	12'x12" C.T.-Fissured w/ Adh. Pkgs (1968) -2nd FIN		

Client Sample # (s): T-4, T-5, T-6, 93, 94Total # of Samples: 5Relinquished (Client): [Signature]Date: 5/26/16

Time:

Received (Lab): [Signature]

wi

Date: 5/26/16Time: 2:15

Comments/Special Instructions:



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Rob Nordby  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

Phone: (952) 995-2688  
Fax: (952) 995-2020  
Received Date: 05/25/2016 3:35 PM  
Analysis Date: 05/27/2016  
Collected Date:

Project: B16 04822

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
1 351603295-0001	Basement-Boiler Rm-Boiler #1, Boiler Gasket (Rear)	White Fibrous Homogeneous	50% Synthetic 50% Glass		None Detected
2 351603295-0002	Basement-Boiler Rm-Boiler #1, Boiler Door Gasket (Burner Side)	White Fibrous Homogeneous	100% Glass		None Detected
3 351603295-0003	Basement-Boiler Rm-Boiler #1, Boiler Jacket Insul. (Fiberglass)	Tan Fibrous Homogeneous	90% Glass	10% Perlite	None Detected
4A 351603295-0004	Basement-Boiler Rm-Boiler #1, Boiler Stock Insul.	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected
4B 351603295-0005	Basement-Boiler Rm-Boiler #1, Boiler Stock Insul.	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected
4C 351603295-0006	Basement-Boiler Rm-Boiler #1, Boiler Stock Insul.	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected
5A-Wrap 351603295-0007	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
5A-Fiberglass 351603295-0007A	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Tan Fibrous Homogeneous	100% Glass		None Detected
5A-Insulation 351603295-0007B	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected
5B-Wrap 351603295-0008	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
5B-Fiberglass 351603295-0008A	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Tan Fibrous Homogeneous	100% Glass		None Detected
5B-Insulation 351603295-0008B	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected

Initial Report From: 05/31/2016 10:54:22





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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
5C-Wrap 351603295-0009	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
5C-Fiberglass 351603295-0009A	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Tan Fibrous Homogeneous	100% Glass		None Detected
5C-Insulation 351603295-0009B	Basement-Boiler Rm-Boiler #1, Boiler Header Insul. (Red) (Fibrous wrap over F.G.)	Gray Fibrous Homogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (Other)	None Detected
6A 351603295-0010	Basement-Boiler Rm (Lt. Blue), 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
6B 351603295-0011	Basement-Boiler Rm (Red), 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
6C 351603295-0012	1st FLR-Kitchen, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
6D 351603295-0013	1st FLR-Rm 100, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
6E 351603295-0014	1"-6" PFIOFGIP				Not Submitted
6F 351603295-0015	1"-6" PFIOFGIP				Not Submitted
6G 351603295-0016	1"-6" PFIOFGIP				Not Submitted
7A 351603295-0017	Basement-Boiler Rm (Orange), 7"-12" PFIOFGIP + Holding Tanks	White Fibrous Homogeneous		75% Non-fibrous (Other)	20% Amosite 5% Chrysotile
7B 351603295-0018	Basement-Boiler Rm (Lt. Blue), 7"-12" PFIOFGIP + Holding Tanks				Positive Stop (Not Analyzed)
7C 351603295-0019	Basement-Sprinkler Riser Rm (Lt. Blue), 7"-12" PFIOFGIP + Holding Tanks				Positive Stop (Not Analyzed)
8A-Insulation 351603295-0020	Basement-Boiler Rm (Blue), Chiller Insul.	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
8A-Foam 351603295-0020A	Basement-Boiler Rm (Blue), Chiller Insul.	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8B 351603295-0021	Basement-Boiler Rm (Blue), Chiller Insul.				Positive Stop (Not Analyzed)

This sample does not contain any foam.

Initial Report From: 05/31/2016 10:54:22



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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
8C-Insulation <small>351603295-0022</small>	Basement-Boiler Rm (Blue), Chiller Insul.				Positive Stop (Not Analyzed)
8C-Foam <small>351603295-0022A</small>	Basement-Boiler Rm (Blue), Chiller Insul.	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9A-White Layer <small>351603295-0023</small>	Basement-Boiler Rm (Yellow), Tank Insulation	White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Amosite
9A-Gray Layer <small>351603295-0023A</small>	Basement-Boiler Rm (Yellow), Tank Insulation	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
9B-White Layer <small>351603295-0024</small>	Basement-Boiler Rm (Yellow), Tank Insulation				Positive Stop (Not Analyzed)
9B-Gray Layer <small>351603295-0024A</small>	Basement-Boiler Rm (Yellow), Tank Insulation				Positive Stop (Not Analyzed)
9C-White Layer <small>351603295-0025</small>	Basement-Boiler Rm (Yellow), Tank Insulation				Positive Stop (Not Analyzed)
9C-Gray Layer <small>351603295-0025A</small>	Basement-Boiler Rm (Yellow), Tank Insulation				Positive Stop (Not Analyzed)
10 <small>351603295-0026</small>	Basement-Boiler Rm, Fiberglass duct canvas seam Tape	Gray Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
11 <small>351603295-0027</small>	Basement-Boiler Rm, Duct Vibration gasket-Black	Black Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
12-Tape <small>351603295-0028</small>	Basement-Engineer Shop, Duct + Duct Seam Tape Adh-Tan	Brown/Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
12-Adhesive <small>351603295-0028A</small>	Basement-Engineer Shop, Duct + Duct Seam Tape Adh-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13 <small>351603295-0029</small>	Basement-Storage-by Eng. Shop, Wall Adh-Black	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
14 <small>351603295-0030</small>	Basement-Storage-by Eng. Shop, Wall Carpet Adh-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Ceramic Tile <small>351603295-0031</small>	Basement-Storage-by Eng. Shop, Ceramic F.T./Adh/grout-Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Grout <small>351603295-0031A</small>	Basement-Storage-by Eng. Shop, Ceramic F.T./Adh/grout-Red	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Bedding <small>351603295-0031B</small>	Basement-Storage-by Eng. Shop, Ceramic F.T./Adh/grout-Red	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16A <small>351603295-0032</small>	Basement-Storage-by Eng. Shop-Closet, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

This sample only contains sheetrock.



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EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16B	First Level-Entry #2 Hall, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
351603295-0033 <i>This result is a composite of sheetrock and joint compound layers.</i>					
16C	First Level-Ent. Lobby, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
351603295-0034 <i>This result is a composite of sheetrock and joint compound layers.</i>					
16D	First Level-Rm 100, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
351603295-0035 <i>This sample only contains sheetrock.</i>					
16E	S.R./J.C.				Not Submitted
351603295-0036					
17-Floor Tile	Basement-Storage (by Acct.), 12"x12" F.T.-Brown Streaks w/mastic-Black	Brown Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
351603295-0037					
17-Mastic	Basement-Storage (by Acct.), 12"x12" F.T.-Brown Streaks w/mastic-Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0037A					
18-Baseboard	Basement-Storage (by Acct.), Vinyl Baseboard-Brown + Adh-tan	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0038					
18-Adhesive	Basement-Storage (by Acct.), Vinyl Baseboard-Brown + Adh-tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0038A					
19	Basement-Accounting , 2'x2' C.P.-Fissured	Gray/White Fibrous Homogeneous	90% Glass	5% Perlite 3% Non-fibrous (Other)	2% Chrysotile
351603295-0039					
20	Basement-Accounting , 2'x2' C.P. Fissured (recessed edge)	White/Red Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
351603295-0040					
21-Wallpaper	Basement-Accounting , Wallpaper + Adh-Tan	White Fibrous Homogeneous	75% Synthetic	25% Non-fibrous (Other)	None Detected
351603295-0041					
21-Adhesive	Basement-Accounting , Wallpaper + Adh-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0041A					
22	Basement-Accounting , Carpet Adh.	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0042					
23	Basement-Accounting -Office, Wall paneling Adh-Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
351603295-0043					
24	Basement-Accounting , Interior Window glazing-gray	Gray Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
351603295-0044					
25	Basement-Catering Sales, AV Room, Storage, 2'x2' C.P.-Pocks	Gray/White Fibrous Homogeneous	70% Cellulose 20% Glass	10% Perlite	None Detected
351603295-0045					



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EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
26 351603295-0046	Basement-Catering Sales, AV Room, Storage, 2'x2' C.P.-Textured	White Fibrous Homogeneous	90% Glass	10% Perlite	None Detected
27 351603295-0047	Basement-Catering Sales, AV Rm, Storage, Wanescote Panel Adh-White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Ceramic Tile 351603295-0048	Basement-Men's Locker Rm, Ceramic F.T./Adh/grout-Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Grout 351603295-0048A	Basement-Men's Locker Rm, Ceramic F.T./Adh/grout-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Bedding 351603295-0048B	Basement-Men's Locker Rm, Ceramic F.T./Adh/grout-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29 351603295-0049	Basement-Women's Rm, Mirror Adh-Black	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
30 351603295-0050	Basement-Storage (Off Hall), Wall Mastic-Black	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
31 351603295-0051	Basement-Engineers Office-Chase entry, Fire brick-white (in boxes on floor)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32 351603295-0052	Basement-Engineers Office-Chase entry, Insulation-white (laying on boxes)	White Fibrous Homogeneous	100% Glass		None Detected
33 351603295-0053	Basement-Hallway-by eng. Off., Fire door Insul.-white	White Fibrous Homogeneous		50% Non-fibrous (Other)	25% Amosite 25% Chrysotile
34-Ceramic Tile 351603295-0054	Basement-Hallway-by eng. Off., Ceramic wall tile/adh/grout-Beige	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
This sample does not contain any grout.					
34-Adhesive 351603295-0054A	Basement-Hallway-by eng. Off., Ceramic wall tile/adh/grout-Beige	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35 351603295-0055	Basement-Hallway-by eng. Off., 2'x2' C.P.-Fine Textured	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
36-Wallpaper 351603295-0056	Basement-Hallway-by eng. Off., Wallpaper + Adh.	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
36-Adhesive 351603295-0056A	Basement-Hallway-by eng. Off., Wallpaper + Adh.	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37A 351603295-0057	Basement-Elev. Lobby, Spray-Applied Fireproofing-on Beams (gray fluffy)	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected



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EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
37B 351603295-0058	First FLR-N.E. Store Room, Spray-Applied Fireproofing-on Beams (gray fluffy)	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
37C 351603295-0059	First FLR-Elev. Lobby, Spray-Applied Fireproofing-on Beam (gray fluffy)	Gray Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)	None Detected
38A 351603295-0060	First FLR.-Haall by N.E. Store room, Spray-Applied Fireproofing-rigid (Tan)	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
38B 351603295-0061	First FLR.-Rm 100, Spray-Applied Fireproofing-rigid (Tan)				Positive Stop (Not Analyzed)
38C 351603295-0062	First FLR.-Rm 120, Spray-Applied Fireproofing-rigid (Tan)				Positive Stop (Not Analyzed)
38D 351603295-0063	Spray-Applied Fireproofing-rigid (Tan)				Not Submitted
38E 351603295-0064	Spray-Applied Fireproofing-rigid (Tan)				Not Submitted
39-Adhesive 351603295-0065	First FLR-Hall by N.E. Store Rm, Duct Adh-Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39-Insulation 351603295-0065A	First FLR-Hall by N.E. Store Rm, Duct Adh-Red	Yellow Fibrous Homogeneous	100% Glass		None Detected
40 351603295-0066	First FLR-Hall by N.E. Store Rm, 2'x2' C.P.-Textured	White Fibrous Homogeneous	90% Glass	10% Perlite	None Detected
41 351603295-0067	First FLR-Hall by N.E. Store Rm, Wood baseboard Adh-White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42 351603295-0068	First FLR-Entry #2 Entrance, 2'x2' C.P.-Fissured	Gray/White Fibrous Homogeneous	70% Cellulose 20% Glass	10% Perlite	None Detected
43A-Plaster 351603295-0069	First FLR-Entry #2-Hall, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43A-Skim Coat 351603295-0069A	First FLR-Entry #2-Hall, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43A-Texture 351603295-0069B	First FLR-Entry #2-Hall, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43B-Plaster 351603295-0070	First FLR-Banquet Storage Area, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43B-Skim Coat 351603295-0070A	First FLR-Banquet Storage Area, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
43B-Adhesive 351603295-0070B	First FLR-Banquet Storage Area, Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43C 351603295-0071	Plaster				Not Submitted
43D 351603295-0072	Plaster				Not Submitted
43E 351603295-0073	Plaster				Not Submitted
44 351603295-0074	First FLR-entry #2-Hall, Carpet Adh-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45-Terrazzo 351603295-0075	First FLR-entry #2-Hall, Terrazzo flooring	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45-Adhesive 351603295-0075A	First FLR-entry #2-Hall, Terrazzo flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46 351603295-0076	First FLR-entry #2-Hall, Duct Seam Caulking-gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Vinyl Floor Tile 351603295-0077	First FLR-Main Entrance-Lobby, Vinyl flooring/Adh.-Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Adhesive 351603295-0077A	First FLR-Main Entrance-Lobby, Vinyl flooring/Adh.-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Ceramic Tile 351603295-0078	First FLR-Main Entrance-Pub Area, Ceramic F.T./Adh/grout-Black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Grout 351603295-0078A	First FLR-Main Entrance-Pub Area, Ceramic F.T./Adh/grout-Black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Bedding 351603295-0078B	First FLR-Main Entrance-Pub Area, Ceramic F.T./Adh/grout-Black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49 351603295-0079	First FLR-Main Entrance-Pub Area, Carpet Adh-Tan w/mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50-Ceramic Tile 351603295-0080	1st FLR-Man ENT. (N)-Lobby, Ceramic Wall Tile/Adh/grout-gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50-Grout 351603295-0080A	1st FLR-Man ENT. (N)-Lobby, Ceramic Wall Tile/Adh/grout-gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50-Adhesive 351603295-0080B	1st FLR-Man ENT. (N)-Lobby, Ceramic Wall Tile/Adh/grout-gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 05/31/2016 10:54:22



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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
51-Wall Tile 351603295-0081	1st FLR-Main ENT. (N)-Lobby, Stone Wall Tile/Adh./grout-white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51-Grout 351603295-0081A	1st FLR-Main ENT. (N)-Lobby, Stone Wall Tile/Adh./grout-white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52-Wall Stome 351603295-0082	1st FLR-Main ENT. (N)-Lobby, Wall Stone-Red/gray w/mortar	Gray/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52-Mortar 351603295-0082A	1st FLR-Main ENT. (N)-Lobby, Wall Stone-Red/gray w/mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53-Ceramic Tile 351603295-0083	1st FLR-Main ENT. (N)-Rest Rms, 12"x24" Ceramic Tile/Adh./grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53-Grout 351603295-0083A	1st FLR-Main ENT. (N)-Rest Rms, 12"x24" Ceramic Tile/Adh./grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53-Adhesive 351603295-0083B	1st FLR-Main ENT. (N)-Rest Rms, 12"x24" Ceramic Tile/Adh./grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54 351603295-0084	1st FLR-Main ENT. (N)-Café, 2'x2' C.P.-Sheetrock	White Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
55 351603295-0085	1st FLR-Kitchen, 2'x4' C.P.-Sheetrock	White Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
56A 351603295-0086	1st FLR-Kitchen, 712" Roof drain Ftg. Insul.	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
56B 351603295-0087	712" Roof drain Ftg. Insul.				Not Submitted
56C 351603295-0088	712" Roof drain Ftg. Insul.				Not Submitted
57-Yellow Layer 351603295-0089	1st FLR-Kitchen, Block glazing-Yellow (4"x12")	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
57-Gray Layer 351603295-0089A	1st FLR-Kitchen, Block glazing-Yellow (4"x12")	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
58-Floor Tile 351603295-0090	1st FLR-Kitchen, 12"x12" F.T.-white w/Adh.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
58-Mastic 351603295-0090A	1st FLR-Kitchen, 12"x12" F.T.-white w/Adh.	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
59 351603295-0091	1st FLR-Kitchen, Residual Wall Caulk-gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected





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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
60 351603295-0092	1st FLR-Kitchen, Residual Wall Caulk-white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61 351603295-0093	1st FLR-Kitchen-Loading dock, Block glazing-orange	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62 351603295-0094	1st FLR-Kitchen-Office, 2'x4' C.P.-pocked	Gray/White Fibrous Homogeneous	90% Glass	10% Perlite	None Detected
63 351603295-0095	1st FLR-Kitchen-Storage, Walk-In Cooler/Seam Caulk-gray	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
64 351603295-0096	1st FLR-Banquet Storage Area, Wall Adh-Brown	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
65 351603295-0097	1st FLR-Banquet Storage Area, Residual Wall paper Adh-tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
66-Adhesive 351603295-0098	1st FLR-Banquet Storage Area, Carpet Adh. w/Black Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
66-Mastic 351603295-0098A	1st FLR-Banquet Storage Area, Carpet Adh. w/Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
67-Floor Tile 351603295-0099	Basement-Laundry Rm, 12"x12" F.T.-Brown Streaks w/Black Mastic	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
67-Mastic 351603295-0099A	Basement-Laundry Rm, 12"x12" F.T.-Brown Streaks w/Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Floor Tile 351603295-0100	Basement-Laundry Rm, 12"x12" F.T.-Beige w/Black Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Tan Mastic 351603295-0100A	Basement-Laundry Rm, 12"x12" F.T.-Beige w/Black Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Black Mastic 351603295-0100B	Basement-Laundry Rm, 12"x12" F.T.-Beige w/Black Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
69-Floor Tile 351603295-0101	Basement-Laundry Rm, 12"x12" F.T.-Tan w/Black Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
69-Tan Mastic 351603295-0101A	Basement-Laundry Rm, 12"x12" F.T.-Tan w/Black Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
69-Black Mastic 351603295-0101B	Basement-Laundry Rm, 12"x12" F.T.-Tan w/Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected





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Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
70 351603295-0102	Basement-Laundry Rm, Duct Vibration Gasket-White	White/Black Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
71 351603295-0103	Basement-Laundry Rm. Iron Machine Roller Canvas	Tan Fibrous Homogeneous	100% Cellulose		None Detected
72 351603295-0104	First Floor-Rm 100, 2'x2' C.P.-Fissured	Gray/White Fibrous Homogeneous	75% Cellulose 15% Glass	10% Perlite	None Detected
73 351603295-0105	First Floor-Rm 119, Mirror Adh.-Black (pucks-sink mirror)	Black Non-Fibrous Homogeneous		88% Non-fibrous (Other)	12% Chrysotile
74 351603295-0106	1st FLR-Rm 100, Transite Window Panels	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
75 351603295-0107	1st FLR-Rm 100, Int. Window glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
76 351603295-0108	1st FLR-Rm 100, Sheetrock Wall Adh.-gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Ceramic Tile 351603295-0109 <i>This sample does not contain any adhesive.</i>	1st FLR-Rm 100, Ceramic F.T./grout/Adh-White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Grout 351603295-0109A	1st FLR-Rm 100, Ceramic F.T./grout/Adh-White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78-Ceramic Tile 351603295-0110 <i>this sample does not contain any adhesive.</i>	1st FLR-Rm 100, Ceramic Wall Tile/grout/Adh.-white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78-Grout 351603295-0110A	1st FLR-Rm 100, Ceramic Wall Tile/grout/Adh.-white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
79 351603295-0111	1st FLR-Rm 100, Mirror Adh.-Tan (behind Sink-pucks)	Tan Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
80 351603295-0112	1st FLR-Rm 101, Sink Counter Tile Adh-white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
81 351603295-0113	1st FLR-Rm 100, Transite window panel caulking-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
82 351603295-0114	First Floor-Rm 101, Mirror Adh-Black (upright mirror)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
83 351603295-0115	First Floor-Rm 100, 2'x4' C.P.-pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
84-Wallpaper 351603295-0116	First Floor-Rm 100, Wallpaper + Adh.-Tan	White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
84-Adhesive 351603295-0116A	First Floor-Rm 100, Wallpaper + Adh.-Tan	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603295

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
85-Ceramic Tile 351603295-0117	First Floor-Rm 100, Countertop Tile/Mortar-Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85-Grout 351603295-0117A	First Floor-Rm 100, Countertop Tile/Mortar-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85-Bedding 351603295-0117B	First Floor-Rm 100, Countertop Tile/Mortar-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85-Adhesive 351603295-0117C	First Floor-Rm 100, Countertop Tile/Mortar-Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
86 351603295-0118	First Floor-Rms 100-119 Hall, 2'x2' C.P.-Pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
87 351603295-0119	First Floor-Rms 100-119 Hall, Wall Skim Cote	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
88 351603295-0120	First Floor-Rms 100-119 Hall, Wallpaper Adh-Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
89 351603295-0121	First Floor-Office across Rm. 119, Int. Window glazing-Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
90-Floor Tile 351603295-0122	First Floor-Housekeeping Storage, 12"x12" F.T. Brown Flecked w/mastic	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
90-Mastic 351603295-0122A	First Floor-Housekeeping Storage, 12"x12" F.T. Brown Flecked w/mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

Analyst(s)

Miles DelBusso (152)

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 05/31/2016 10:54:22

3295

PSS #1 → 7

**A**

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## Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Page: 1 of 1

Project No.: B16 04822

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
1	Basement - Boiler Room - #2	Boiler Gasket (Rear)	
2	↓ - ↓ - ↓	Boiler Door Gasket (Burner Side)	
3	↓ - ↓ - ↓	Boiler Jacket Insul. (Fiberglass)	
4A-C	↓ - ↓ - ↓	Boiler Stack Insul.	
5A-C	↓ - ↓ - ↓	Boiler Header Insul. (Red) (Fiberglass wrap over F.G.)	
6A	↓ - ↓ (LT. Blue)	1"-6" PFIOF6IP	
6B	↓ - ↓ (Red)		
6C	1st Flr - Kitchen		
6D	↓ - Rm 100		
6E			
6F			
6G			
7A	Basement - Boiler Room (Orange)	7"-12" PFIOF6IP + Holding Tanks	
7B	↓ - ↓ - (LT. Blue)		
7C	↓ - sprinkler Riser Rm. ↓		
8A-C	Basement - Boiler Rm - (Blue)	Chiller INSUL.	
9A-C	↓ - ↓ - (Yellow)	Tank Insulation	
10	↓ - ↓	Fiberglass duct Canvas Seam Topr	
11	↓ - ↓	Duct Vibration gasket - Black	

Materials containing 1 percent of asbestos or less are not considered to be asbestos-containing materials by the U.S. EPA.

1. Asbestos content is indicated as an approximate percent by area.

2. N.D. = None Detected.

Table II -

(F.G. = Fiberglass)

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## Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Page: 2 of \_\_\_\_

Project No.:

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
12	Basement - Engineer shop	Duct & Duct seam Tape Adh - Tan	
13	↓ - Storage - by Eng. Shop	Wall Adh - Black	
14	↓ - ↓ - ↓	Wall Carpet Adh - Tan	
15	↓ - ↓ - ↓	Ceramic F.T. / Adh / grout - Red	
16A	↓ - ↓ - ↓ - closet	S, R, J.C.	
16B	First level - Entry #2 Hall	↓	
16C	↓ - ENT. Lobby		
16D	↓ - Rm 100		
16E			
17	Basement - Storage (by Acc't.)	12"x12" F.O.T. - Brown Streaks w/mastic - Black	
18	↓ - ↓	Vinyl Baseboard - Brown & Adh - Tan	
19	↓ - Accounting	2'x2' C.P. - Fissured	
20	↓ - ↓	2'x2' C.P. Fissured (recessed edge)	
21	↓ - ↓	wallpaper & Adh - Tan	
22	↓ - ↓	Carpet Adh. -	
23	↓ - ↓ - office	Wall paneling Adh - Black	
24	↓ - ↓	Interior Window glazing - gray	
25	↓ - Catering Sales, A/R Room, Storage	2'x2' C.P. - Pocked	
26	↓ - ↓	↓ textured	

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Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Project No.:

Page: ③ of \_\_\_\_

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
27	Basement - CATERING Sales, AV Rm, Storage	Wainscote Panel Adh - white.	
28	↓ - Men's Locker Rm	Ceramic Flt./Adh./ Grout - Brown	
29	↓ - Women's Rm	Mirror Adh - Black	
30	↓ - Storage Coff (Hall)	Wall mastic - Black	
31	↓ - Engineers - Chase Office - Entry	Firebricks - white (in boxes on floor)	
32	↓ - ↓ - ↓	Insulation - white (lying on boxes)	
33	↓ - Hallway - by eng. off.	Fire door INSUL. - white	
34	↓ - ↓	Ceramic wall tile / Adh. / grout - Beige	
35	↓ - ↓	2'x2' C.P. - Fine Textured	
36	↓ - ↓	Wall paper + Adh.	
37A	↓ - Elev. Lobby	Spray-Applied Fireproofing - on Beams (gray fluff)	
37B	First Fl. - N.E. Store Room	↓	
37C	↓ - Elev. Lobby	↓	
38A	↓ - Hall by N.E. Store Room	Spray-Applied Fireproofing - Rigid (Tan)	
38B	↓ - Rm 100	↓	
38C	↓ - Rm 120	↓	
38D		↓	
38E		↓	

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## Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Project No.:

Page: 4 of 4

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
39	First - Hall by N.E. FIRE - STORE RM	DUCT Adh - Red	
40	↓ - ↓	2'x2' C.P. - Textured	
41	↓ - ↓	Wood baseboard Adh - white	
42	↓ - ENTRY #2 ENTRANCE	2'x2' C.P. - Fissured	
43 A	↓ - ENTRY #2 - Hall	PLASTER	
43 B	↓ - Baggage storage Area		
43 C			
43 D			
43 E			
44	First - ENTRY FIRE - #2 - Hall	Carpet Adh - Tan	
45	↓ - ↓ - ↓	Terrazzo flooring	
46	↓ - ↓ - ↓	Duct Seam Caulking - gray	
47	↓ - main ENTRANCE - Lobby	Vinyl flooring Adh - Brown	
48	↓ - ↓ - Pub Area	Ceramic F.T. / Adh / grout - Black	
49	↓ - ↓ - ↓	Carpet Adh - Tan w/ mastic	

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## Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Project No.:

Page 5 of \_\_\_\_

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
50	1st FIR - main ENT.(N) - lobby	Ceramic wall Tile / Adh / grout - gray	
51	↓ - ↓ - ↓	Stone wall Tile / Adh / grout - white	
52	↓ - ↓ - ↓	Wall Stone - Red / gray w / mortar	
53	↓ - ↓ - Restrooms	12" x 24" Ceramic Tile / Adh / grout	
54	↓ - ↓ - CAFE	2' x 2' C.P. - Sheetlock	
55	↓ - Kitchen	2' x 4' C.P. - ↓	
56A	↓ - ↓	7/2" roof drain Ftg. INSUL.	
56B		↓	
56C		↓	
57	1st FIR - Kitchen	Block glazing - yellow (4" x 12")	
58	↓ - ↓	12" x 12" Ftg. - white w / adh.	
59	↓ - ↓	Residual Wall Caulk - gray	
60	↓ - ↓	↓ - white	
61	↓ - ↓ - Loading dock	Block glazing - orange	
62	↓ - ↓ - Office	2' x 4' C.P. - packed	
63	↓ - ↓ - Storage	Walk-In cooler / Seam Caulking - gray	
64	↓ - Banquet Storage Area	Wall Adh - Brown	
65	↓ - ↓	Residual Wall paper Adh - tan	



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## Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Project No.:

Page: 6 of     

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
1943 Add 66	1st Floor - Bangor Storage Area	Carpet Adh. w/ Black mastic	
67	Basement - Laundry Rm	12"x12" F.T. - Brown Sheetrock w/ Black mastic	
68	-	12"x12" F.T. - Beige w/ Black mastic	
69	-	12"x12" F.T. - Tan w/ Black mastic	
70	-	Duct Vibration basket - white	
71	-	Iron machine roller Canvas	
1943 Add 72	First Floor - Rm. 100	2'x2' C.P. - Fissured	
73	- Rm 119	Mirror Adh. - Black (pucks - sink mirror)	
74	1st Floor - Rm 100	Transite window panels	
75	-	INT. window glazing	
76	-	Sheetrock wall Adh. - Gray	
77	-	Ceramic F.T. / grout / adh - white	
78	-	Ceramic wall Tile / grout / Adh. - white	
79	-	Mirror Adh. - Tan (behind sink - pucks)	
80	- Rm 101	Sink Counter Tile Adh. - white	
81	- Rm 100	Transite window panel caulking - Tan	

### Table II. Bulk Asbestos Analytical Results

Page: 2 of 2

Page 8 Of 8

**EMSL Analytical, Inc.**

14375 23rd Avenue North, Minneapolis, Mn 55447

Phone/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com>[minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

CustomerID: BRAU50

CustomerPO:

ProjectID:

Attn: **Shawn Cazett**  
**Braun Intertec**  
**11001 Hampshire Avenue South**  
**Bloomington, MN 55438**

Phone: (952) 995-2688  
Fax: (952) 995-2020  
Received: 06/01/16 12:21 PM  
Analysis Date: 6/2/2016  
Collected:

Project: **B1604822**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
104A 351603424-0017	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.25% Actinolite
104B 351603424-0018	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.25% Actinolite
104C 351603424-0019	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.25% Actinolite

Analyst(s)

Miles DeBusso (3)

Rachel Travis, Laboratory Manager  
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn

Initial report from 06/02/2016 16:34:20



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Shawn Cazett  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

Project: B1604822

Phone: (952) 995-2688

Fax: (952) 995-2020

Received Date: 06/01/2016 8:00 AM

Analysis Date: 06/02/2016

Collected Date:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
91 351603424-0001	First Floor - Rm 113, 2'x2' C.P. - pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
92A 351603424-0002	First Floor - Hallway by 121, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92B 351603424-0003	First Floor - Hallway by 136, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92C 351603424-0004	First Floor - Hallway by 133, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92D 351603424-0005	First Floor - Hallway, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92E 351603424-0006	2nd FLR. - Hallway, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92F 351603424-0007	2nd FLR. - Hallway by 240, Wall Skim Cote (on Block Walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
95-Wallpaper 351603424-0008	2nd FLR. - Rm 200, Wallpaper + Adh. - Tan	Tan Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
95-Adhesive 351603424-0008A	2nd FLR. - Rm 200, Wallpaper + Adh. - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
96 351603424-0009	2nd FLR. - Rm 215, 2'x2' C.P. - Textured	Gray Fibrous Homogeneous	90% Glass	10% Perlite	None Detected
97-Ceramic Tile 351603424-0010	2nd FLR. - Women's Rm - Upper S. Lobby, 2"x2" Ceramic F.T./Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
97-Grout 351603424-0010A	2nd FLR. - Women's Rm - Upper S. Lobby, 2"x2" Ceramic F.T./Adh/grout - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
97-Adhesive 351603424-0010B	2nd FLR. - Women's Rm - Upper S. Lobby, 2"x2" Ceramic F.T./Adh/grout - white	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
98-Ceramic Tile 351603424-0011	2nd FLR. - Women's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - multi-colored	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
98-Grout 351603424-0011A	2nd FLR. - Women's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - multi-colored	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
98-Adhesive 351603424-0011B	2nd FLR. - Women's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - multi-colored	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
99-Ceramic Tile 351603424-0012	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic Wall Tile/Adh./grout - multi-colored	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
99-Grout 351603424-0012A	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic Wall Tile/Adh./grout - multi-colored	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
99-Adhesive 351603424-0012B	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic Wall Tile/Adh./grout - multi-colored	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
100-Ceramic Tile 351603424-0013	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic baseboard/white w/Adh	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
100-Grout 351603424-0013A	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic baseboard/white w/Adh	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
100-Adhesive 351603424-0013B	2nd FLR. - Women's Rm - Upper S. Lobby, Ceramic baseboard/white w/Adh	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
101-Ceramic Tile 351603424-0014	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - Tan/Brown	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
101-Grout 351603424-0014A	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - Tan/Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
101-Adhesive 351603424-0014B	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic F.T./Adh/grout - Tan/Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
102-Ceramic Tile 351603424-0015	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic Wall Tile/Adh/grout - Tan/brown	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 06/02/2016 17:34:31



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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
102-Grout 351603424-0015A	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic Wall Tile/Adh/grout - Tan/brown	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
102-Adhesive 351603424-0015B	2nd FLR. - Men's Rm - Upper S. Lobby, 1"x1" Ceramic Wall Tile/Adh/grout - Tan/brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103-Ceramic Tile 351603424-0016	2nd FLR. - Men's Rm - Upper S. Lobby, 2"x2" Ceramic Wall Tile/Adh/grout - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103-Grout 351603424-0016A	2nd FLR. - Men's Rm - Upper S. Lobby, 2"x2" Ceramic Wall Tile/Adh/grout - Tan	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103-Adhesive 351603424-0016B	2nd FLR. - Men's Rm - Upper S. Lobby, 2"x2" Ceramic Wall Tile/Adh/grout - Tan	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
104A 351603424-0017	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		98% Vermiculite 2% Non-fibrous (Other)	<1% Actinolite
104B 351603424-0018	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		98% Vermiculite 2% Non-fibrous (Other)	<1% Actinolite
104C 351603424-0019	2nd FLR. - Hall of Tribes - Banquet Pantry, Vermiculite	Brown/Gray/Tan Non-Fibrous Homogeneous		98% Vermiculite 2% Non-fibrous (Other)	<1% Actinolite
105 351603424-0020	2nd FLR. - Hall of Tribes - Banquet Pantry, 12"x12" C.T. - Fissured (splined)	Gray/White Fibrous Homogeneous	25% Cellulose 65% Glass	10% Perlite	None Detected
106-Gray Caulk 351603424-0021	2nd FLR. - Hall of Tribes - Banquet Pantry, Int. Window glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
106-Silver Caulk 351603424-0021A	2nd FLR. - Hall of Tribes - Banquet Pantry, Int. Window glazing	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
107 351603424-0022	2nd FLR. - Hall of Tribes - Banquet Pantry, Int. Window Caulking	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
108 351603424-0023	2nd FLR. - Mech Rm - by banquet pantry, Duct Joint gasket (uninsulated ducts)	Black Fibrous Homogeneous	25% Cellulose	25% Non-fibrous (Other)	50% Chrysotile
109-Ceramic Tile 351603424-0024	2nd FLR. - Main Lobby - Central Stairwell, 2'x2' Ceramic F.T./Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
109-Grout 351603424-0024A	2nd FLR. - Main Lobby - Central Stairwell, 2'x2' Ceramic F.T./Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
109-Bedding 351603424-0024B	2nd FLR. - Main Lobby - Central Stairwell, 2'x2' Ceramic F.T./Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
110-Ceramic Tile 351603424-0025	2nd FLR. - Men's Rm - N.W., Ceramic Wall Tile Adh/grout - Brown	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
This sample does not contain any grout.					
110-Adhesive 351603424-0025A	2nd FLR. - Men's Rm - N.W., Ceramic Wall Tile Adh/grout - Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
111-Ceramic Tile 351603424-0026	2nd FLR. - Men's Rm - N.W., Ceramic Floor Tile Adh/grout - Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
This sample does not contain any adhesive.					
111-Grout 351603424-0026A	2nd FLR. - Men's Rm - N.W., Ceramic Floor Tile Adh/grout - Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
112A-Canvas 351603424-0027	1st FLR. - Rm 303, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
112A-Insulation 351603424-0027A	1st FLR. - Rm 303, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
112B-Canvas 351603424-0028	1st FLR. - Rm 302, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
112B-Insulation 351603424-0028A	1st FLR. - Rm 302, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
112C-Canvas 351603424-0029	1st FLR. - Rm 301, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
112C-Insulation 351603424-0029A	1st FLR. - Rm 301, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
113A 351603424-0030	1st FLR - Rm 303, Wall Skim Cote (on Block Wall)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
113B 351603424-0031	1st FLR - Rm 302, Wall Skim Cote (on Block Wall)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
113C 351603424-0032	1st FLR - Rm 301, Wall Skim Cote (on Block Wall)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
113D 351603424-0033	1st FLR - Rm 304, Wall Skim Cote (on Block Wall)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
113E 351603424-0034	1st FLR - Rm 305, Wall Skim Cote (on Block Wall)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
114 351603424-0035	1st FLR - Rm 303, 2'x2' C.P. - Textured	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
115 351603424-0036	1st FLR - Rm 303, Mirror Adh. - Black	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
116-Ceramic Tile 351603424-0037	1st FLR - Rm 303, Ceramic F.T./Adh/grout - gold	Gold Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
116-Grout 351603424-0037A	1st FLR - Rm 303, Ceramic F.T./Adh/grout - gold	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
116-Bedding 351603424-0037B	1st FLR - Rm 303, Ceramic F.T./Adh/grout - gold	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
117-Ceramic Tile 351603424-0038	1st FLR - Rm 303, Ceramic Wall Tile/Adh./grout - olive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
117-Grout 351603424-0038A	1st FLR - Rm 303, Ceramic Wall Tile/Adh./grout - olive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
117-Adhesive 351603424-0038B	1st FLR - Rm 303, Ceramic Wall Tile/Adh./grout - olive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
118-Ceramic Tile 351603424-0039	1st FLR - Rm 303, Ceramic Countertop/Adh - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
118-Grout 351603424-0039A	1st FLR - Rm 303, Ceramic Countertop/Adh - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
118-Adhesive 351603424-0039B	1st FLR - Rm 303, Ceramic Countertop/Adh - gray	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
119 351603424-0040	1st FLR - Rm 303, Sink Undercoating - gray	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
120 351603424-0041	1st FLR - Rm 303, Transite window panel	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
121-Wallpaper 351603424-0042	1st FLR - Rm 303, Wallpaper + Adh.	White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
121-Adhesive 351603424-0042A	1st FLR - Rm 303, Wallpaper + Adh.	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
122-Ceramic Tile 351603424-0043	1st FLR - Rm 302, Ceramic F.T./Adh./grout - dk. Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
122-Grout 351603424-0043A	1st FLR - Rm 302, Ceramic F.T./Adh./grout - dk. Green	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
122-Bedding 351603424-0043B	1st FLR - Rm 302, Ceramic F.T./Adh./grout - dk. Green	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
123-Ceramic Tile 351603424-0044	1st FLR - Rm 302, Ceramic Wall Tile/Adh/grout - green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected





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Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
123-Grout 351603424-0044A	1st FLR - Rm 302, Ceramic Wall Tile/Adh/grout - green	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
123-Adhesive 351603424-0044B	1st FLR - Rm 302, Ceramic Wall Tile/Adh/grout - green	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
124-Ceramic Tile 351603424-0045	1st FLR - Rm 301, Ceramic F.T./Adh/grout - black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
124-Grout 351603424-0045A	1st FLR - Rm 301, Ceramic F.T./Adh/grout - black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
124-Bedding 351603424-0045B	1st FLR - Rm 301, Ceramic F.T./Adh/grout - black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
125-Ceramic Tile 351603424-0046	1st FLR - Rm 301, Ceramic Wall Tile/Adh/grout - black	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
125-Grout 351603424-0046A	1st FLR - Rm 301, Ceramic Wall Tile/Adh/grout - black	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
125-Bedding 351603424-0046B	1st FLR - Rm 301, Ceramic Wall Tile/Adh/grout - black	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
126 351603424-0047	1st FLR - Rms 301-303 - Hallway, Carpet Adh. - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
127 351603424-0048	1st FLR - Rms 301-303 - Hallway, Int Window Caulking - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
128A 351603424-0049	2nd FLR - Rm 306, Spray-Applied Ceiling Texture	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
128B 351603424-0050	2nd FLR - Rm 306, Spray-Applied Ceiling Texture				Positive Stop (Not Analyzed)
128C 351603424-0051	2nd FLR - Rm 305, Spray-Applied Ceiling Texture				Positive Stop (Not Analyzed)
128D 351603424-0052	2nd FLR - Rm 305, Spray-Applied Ceiling Texture				Positive Stop (Not Analyzed)
128E 351603424-0053	2nd FLR - Rm 304, Spray-Applied Ceiling Texture				Positive Stop (Not Analyzed)
129-Ceramic Tile 351603424-0054	2nd FLR - Rm 304, Ceramic F.T./Adh/grout - Tan + Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
129-Grout 351603424-0054A	2nd FLR - Rm 304, Ceramic F.T./Adh/grout - Tan + Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
129-Bedding 351603424-0054B	2nd FLR - Rm 304, Ceramic F.T./Adh/grout - Tan + Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 06/02/2016 17:34:31



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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
130-Ceramic Tile 351603424-0055	2nd FLR - Rm 304, Ceramic Wall Tile/Adh/grout - Tan + Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
130-Grout 351603424-0055A	2nd FLR - Rm 304, Ceramic Wall Tile/Adh/grout - Tan + Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
130-Bedding 351603424-0055B	2nd FLR - Rm 304, Ceramic Wall Tile/Adh/grout - Tan + Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
131-Ceramic Tile 351603424-0056	2nd FLR - Rm 304, Ceramic Countertop/Adh - Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
131-Grout 351603424-0056A	2nd FLR - Rm 304, Ceramic Countertop/Adh - Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
131-Bedding 351603424-0056B	2nd FLR - Rm 304, Ceramic Countertop/Adh - Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
131-Adhesive 351603424-0056C	2nd FLR - Rm 304, Ceramic Countertop/Adh - Brown	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
132 351603424-0057 <i>This sample only contains sheetrock.</i>	2nd FLR - Rm 305, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
133 351603424-0058	2nd FLR - Yakina Rm, 2'x2' C.P. - Fissured	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
134A 351603424-0059	2nd FLR - Storage/Fan Rm, Wall Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
134B 351603424-0060	2nd FLR - Storage/Fan Rm, Wall Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
134C 351603424-0061	2nd FLR - Storage/Fan Rm, Wall Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
135 351603424-0062	2nd FLR - Miami Rm, 2'x2' C.P. - pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
136A 351603424-0063	2nd FLR - Miami Rm, Roof decking Texture	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
136B 351603424-0064	2nd FLR - Miami Rm, Roof decking Texture	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
136C 351603424-0065	2nd FLR - Miami Rm, Roof decking Texture	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
137 351603424-0066	2nd FLR - W. Monomomie Rm, roof decking material	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
138A 351603424-0067	2nd FLR - W. Monomomie Rm, Rain leader ftg. Insul.	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
138B 351603424-0068	2nd FLR - W. Monomomie Rm, Rain leader ftg. Insul.	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
138C 351603424-0069	2nd FLR - W. Monomomie Rm, Rain leader ftg. Insul.	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
139-Floor Tile 351603424-0070	2nd FLR - W. Monomomie Rm, Mech. Rm, 12"x12" F.T. - Brown flecked w/mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
139-Mastic 351603424-0070A	2nd FLR - W. Monomomie Rm, Mech. Rm, 12"x12" F.T. - Brown flecked w/mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
140-Floor Tile 351603424-0071	1st FLR - Main ent. Lobby - Store Rm by desk, 9"x9" F.T. - Black w/Black Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
140-Mastic 351603424-0071A	1st FLR - Main ent. Lobby - Store Rm by desk, 9"x9" F.T. - Black w/Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
140-Filler 351603424-0071B	1st FLR - Main ent. Lobby - Store Rm by desk, 9"x9" F.T. - Black w/Black Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
141 351603424-0072	1st FLR - Rm 155, 2'x2' C.P. - pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
142 351603424-0073	1st FLR - Rm 155, 2'x4' C.P. - pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
143A-Canvas 351603424-0074	1st FLR - Rm 155, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
143A-Insulation 351603424-0074A	1st FLR - Rm 155, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
143B-Canvas 351603424-0075	1st FLR - Hallway, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
143B-Insulation 351603424-0075A	1st FLR - Hallway, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
143C-Canvas 351603424-0076	1st FLR - Hallway, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
143C-Insulation 351603424-0076A	1st FLR - Hallway, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected

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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
144A 351603424-0077	1st FLR - Rm 155, Spray-Applied Fireproofing on Beams	Tan Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
144B 351603424-0078	1st FLR - Rm 163, Spray-Applied Fireproofing on Beams				Positive Stop (Not Analyzed)
144C 351603424-0079	2nd FLR - Rm 261, Spray-Applied Fireproofing on Beams				Positive Stop (Not Analyzed)
145-Transite 351603424-0080	1st FLR - Rm 155, Transite Window Panel	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
145-Adhesive 351603424-0080A	1st FLR - Rm 155, Transite Window Panel	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
146 351603424-0081	1st FLR - Rm 155, Mirror Adh - Black (behind Sink)	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
147 351603424-0082	1st FLR - Rm 155, Mirror Adh - Tan (Upright mirror)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
149-Ceramic Tile 351603424-0083	1st FLR - Rm 155, Ceramic Wall Tile/Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
149-Grout 351603424-0083A	1st FLR - Rm 155, Ceramic Wall Tile/Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
149-Bedding 351603424-0083B	1st FLR - Rm 155, Ceramic Wall Tile/Adh/grout - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
150 351603424-0084	1st FLR - Hall (by Rm 155), Carpet Adh - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
151 351603424-0085	1st FLR - Hall (by Rm 155), Interior Window glazing - gray	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
152-Wallpaper 351603424-0086	1st FLR - Hall (by Rm 155), Wallpaper Adh - Tan	Tan Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
152-Adhesive 351603424-0086A	1st FLR - Hall (by Rm 155), Wallpaper Adh - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
153A-Plaster 351603424-0087	1st FLR - Rm 155, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
153A-Skim Coat 351603424-0087A	1st FLR - Rm 155, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
153B-Plaster 351603424-0088	1st FLR - Rm 164, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
153B-Skim Coat 351603424-0088A	1st FLR - Rm 164, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

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Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
153C-Plaster 351603424-0089	2nd FLR - Rm 261, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
153C-Skim Coat 351603424-0089A	2nd FLR - Rm 261, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
154 351603424-0090 <i>This sample only contains sheetrock.</i>	1st FLR - Rm 155, S.R./J.C.	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
155A 351603424-0091	1st FLR - Rm 155, Skim Cote - On Block Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
155B 351603424-0092	1st FLR - Rm 164, Skim Cote - On Block Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
155C 351603424-0093	2nd FLR - Rm 261, Skim Cote - On Block Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
156 351603424-0094	1st FLR - Rm 155, S.R. Adhesive - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
157 351603424-0095	1st FLR - Rm 155, Countertop Adh - Tan Backsplash	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
158 351603424-0096	1st FLR - Rm 153, Countertop Adh - Tan Backsplash	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
159-Ceramic Tile 351603424-0097	1st FLR - Hallway, Ceramic Wall Tile/Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
159-Grout 351603424-0097A	1st FLR - Hallway, Ceramic Wall Tile/Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
159-Adhesive 351603424-0097B	1st FLR - Hallway, Ceramic Wall Tile/Adh/grout - white	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
160-Ceramic Tile 351603424-0098	1st FLR - Hallway, Ceramic F.T./Adh/grout - Red/Brown	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
160-Grout 351603424-0098A	1st FLR - Hallway, Ceramic F.T./Adh/grout - Red/Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
160-Adhesive 351603424-0098B	1st FLR - Hallway, Ceramic F.T./Adh/grout - Red/Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
161-Ceramic Tile 351603424-0099	1st FLR - Rm 157, 1"x1" Ceramic F.T./Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
161-Grout 351603424-0099A	1st FLR - Rm 157, 1"x1" Ceramic F.T./Adh/grout - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
161-Adhesive 351603424-0099B	1st FLR - Rm 157, 1"x1" Ceramic F.T./Adh/grout - white	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
162 351603424-0100	2nd FLR - Rm 264, 12"x12" C.T. - Fissured	Gray/White Fibrous Homogeneous	10% Cellulose 80% Glass	10% Perlite	None Detected
163 351603424-0101	2nd FLR - Rm 264, C.T. Adh - Brown (Assoc. w/12"x12" C.T.)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
164 351603424-0102	1st FLR - Rm 161, Transite Window Caulking - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
165 351603424-0103	2nd FLR - Rm 308, Carpet Baseboard Adh - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
166 351603424-0104	2nd FLR - Rm 308, Wall Adh. On brick - brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
167 351603424-0105	2nd FLR - Rm 308, Interior window glazing	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
168 351603424-0106	2nd FLR - Hallway S.W., 2'x2' C.P. - pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
169-Adhesive 351603424-0107	2nd FLR - Hallway S.W., Carpet Adh - Tan w/Floor leveler	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
169-Leveler 351603424-0107A	2nd FLR - Hallway S.W., Carpet Adh - Tan w/Floor leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
170-Wallpaper 351603424-0108	2nd FLR - Hallway S.W., Wallpaper + Adh - Tan	White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
170-Adhesive 351603424-0108A	2nd FLR - Hallway S.W., Wallpaper + Adh - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
171A 351603424-0109	2nd FLR - Storage Closet - by S.W. Stairwell, Spray-Applied Fireproofing	Gray/White Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
171B 351603424-0110	2nd FLR - Rm 439, Spray-Applied Fireproofing	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
171C 351603424-0111	1st FLR - R403, Spray-Applied Fireproofing	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
171D 351603424-0112	1st FLR - Rm 412, Spray-Applied Fireproofing	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
171E 351603424-0113	1st FLR - Basement, Spray-Applied Fireproofing	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
172-Floor Tile 351603424-0114	2nd FLR - Storage Closet - by S.W. Stair, 12"x12" F.T. - Brown Flecked w/Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Order: 351603424

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
172-Mastic 351603424-0114A	2nd FLR - Storage Closet - by S.W. Stair, 12"x12" F.T. - Brown Flecked w/Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
173-Baseboard 351603424-0115	2nd FLR - Storage Closet - by S.W. Stair, Vinyl Baseboard - Brown w/Adh	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
173-Adhesive 351603424-0115A	2nd FLR - Storage Closet - by S.W. Stair, Vinyl Baseboard - Brown w/Adh	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174A 351603424-0116	2nd FLR - Hallway, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174B-Plaster 351603424-0117	2nd FLR - Rm 439, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174B-Skim Coat 351603424-0117A	2nd FLR - Rm 439, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174C-Plaster 351603424-0118	1st FLR - Rm 417, Skim Cote (on block walls)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174C-Skim Coat 351603424-0118A	1st FLR - Rm 417, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174D 351603424-0119	1st FLR - Rm 424, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
174E 351603424-0120	1st FLR - Hallway, Skim Cote (on block walls)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
175 351603424-0121	2nd FLR - Rm 439, Mirror Adh - Black	Black Non-Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
176 351603424-0122	2nd FLR - Rm 439, Mirror Adh - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
177-Countertop 351603424-0123	2nd FLR - Rm 439, Countertop + Mortar	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
177-Mortar 351603424-0123A	2nd FLR - Rm 439, Countertop + Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
178-Ceramic Tile 351603424-0124	2nd FLR - Rm 439, Ceramic FT/Adh/grout - Tan (1")	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
178-Grout 351603424-0124A	2nd FLR - Rm 439, Ceramic FT/Adh/grout - Tan (1")	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
178-Adhesive 351603424-0124B	2nd FLR - Rm 439, Ceramic FT/Adh/grout - Tan (1")	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected





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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
179-Ceramic Tile 351603424-0125	2nd FLR - Rm 439, Ceramic Wall Tile/Adh./grout - Beige	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
179-Grout 351603424-0125A	2nd FLR - Rm 439, Ceramic Wall Tile/Adh./grout - Beige	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
179-Adhesive 351603424-0125B	2nd FLR - Rm 439, Ceramic Wall Tile/Adh./grout - Beige	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
180 351603424-0126	2nd FLR - Rm 439, S.R.	Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
181A-Plaster 351603424-0127	2nd FLR - Rm 439, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
181A-Skim Coat 351603424-0127A	2nd FLR - Rm 439, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
181B-Plaster 351603424-0128	1st FLR - Rm 419, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
181B-Skim Coat 351603424-0128A	1st FLR - Rm 419, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
181A-Plaster 351603424-0129	1st FLR - Hallway, Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
181A-Skim Coat 351603424-0129A	1st FLR - Hallway, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
182 351603424-0130	2nd FLR - Rm 439, Metal Window Panel Caulking - Black	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
183 351603424-0131	1st FLR - Storage by 401, S.R./J.C.	White Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
This result is a composite of sheetrock and joint compound layers.					
184A-Canvas 351603424-0132	2nd FLR - Storage by 401, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
184A-Insulation 351603424-0132A	2nd FLR - Storage by 401, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
184B-Canvas 351603424-0133	Basement, 1"-6" PFIOFGIP	White Fibrous Homogeneous	100% Cellulose		None Detected
184B-Insulation 351603424-0133A	Basement, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
148-Ceramic Tile 351603424-0134	Ceramic F.T./Adh/grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Sample 184C was not submitted.					





# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
148-Grout <i>351603424-0134A</i>	Ceramic F.T./Adh/grout - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
148-Bedding <i>351603424-0134B</i>	Ceramic F.T./Adh/grout - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
185-Ceramic Tile <i>351603424-0135</i>	1st FLR - Rm 403, Ceramic F.T./Adh/grout - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
185-Grout <i>351603424-0135A</i>	1st FLR - Rm 403, Ceramic F.T./Adh/grout - White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
185-Bedding <i>351603424-0135B</i>	1st FLR - Rm 403, Ceramic F.T./Adh/grout - White	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6E <i>351603424-0136</i>		Gray Fibrous Homogeneous	50% Glass	44% Non-fibrous (Other)	6% Chrysotile
6F <i>351603424-0137</i>					Positive Stop (Not Analyzed)
6G <i>351603424-0138</i>					Positive Stop (Not Analyzed)
16E <i>351603424-0139</i>		White Fibrous Homogeneous <i>This result is a composite of sheetrock and joint compound layers.</i>	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
38D <i>351603424-0140</i>		Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
38E <i>351603424-0141</i>					Positive Stop (Not Analyzed)
43C-Gray Layer <i>351603424-0142</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43C-White Layer <i>351603424-0142A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43D-Gray Layer <i>351603424-0143</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43D-White Layer <i>351603424-0143A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43E-Gray Layer <i>351603424-0144</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43E-White Layer <i>351603424-0144A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Order: 351603424

Customer ID: BRAU50

Customer PO:

Project ID:

Analyst(s)

*Miles DelBusso (222)*

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 06/02/2016 17:34:31

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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

3424

Company: <u>Brown Interdec</u>		EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>11601 Hampshire</u>		Third Party Billing requires written authorization from third party	
City:	State/Province:	Zip/Postal Code:	Country:
Report To (Name): <u>Scazett / R. Nozby</u>		Telephone #:	
Email Address: <u>scazett / R. Nozby @ browninterdec.com</u>		Purchase Order:	
Project Name/Number:		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

## Turnaround Time (TAT) Options\* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input checked="" type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <b>Other:</b> <input type="checkbox"/>
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☒ Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm
Samplers Name: Shawn Scazett

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA #/(Bulk)	Date/Time Sampled
	See table II		

Client Sample # (s):

Total # of Samples:

Relinquished (Client): Shawn ScazettDate: 6/1/16Time: 7:30Received (Lab): SeeDate: 6.1.16Time: 8:00 AM DB

Comments/Special Instructions:

Point Count (400 non grav)  
 up to 5 samples if 25 samples  
 Call for approval

Point Count (400 non/grav)  
 if results are 1% Do Not  
 Point Count if N.D.

Invoice  
 Erin Campbell

Do Not Send to different Lab  
 Page 1 of 9

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Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Project No.: B1604822

Page: 8 of 8

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
1963 Add 91	First Floor - Rm 113	2'x2' C.P. - Packed	
92 A	- Hallway by 121	Wall SKim Coat (on Block walls)	
92 B	- ↓ by 136		
92 C	- ↓ by 133		
92 D			add 92D per Shawn Cassette me 6/11/16
92 E	2nd FLOOR - ↓		
92 F	- ↓ by 240		
93	2nd FLOOR - Rm 200	2'x2' C.P. - Packed	N.D.
94	↓ - ↓	12"x12" C.T. - Fissured w/ Adh. - Brown	N.D.
95	↓ - ↓	Wall paper Adh. - Tan	
96	↓ - Rm 215	2'x2' C.P. - Textured	
97	↓ - Woman's Rm - Upper S. Lobby	2"x2" Ceramic F.T. / Adh / grout - white	
98	↓ - ↓ - ↓	1"x1" Ceramic F.T. / Adh / grout - multi-colored	
99	↓ - ↓ - ↓	Ceramic wall Tile / Adh / grout - multi-colored	
100	↓ - ↓ - ↓	Ceramic baseboard / Adh / white w/ Adh - Brown	
101	↓ - Men's Rm - ↓	1"x1" Ceramic F.T. / Adh / grout - tan / Brown	
102	↓ - ↓ - ↓	1"x1" Ceramic Wall Tile / Adh / grout - Tan / Brown	
103	↓ - ↓ - ↓	2"x2" Ceramic Wall Tile / Adh / grout - Tan	

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Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Project No.:

Page: 3 of 9

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
104A	2nd Floor - Hall of Tiles - Banquet parlor	Vermiculite	
104B	- - -		
104C	- - -		
105	- - -	12" x 12" P.T. - Floor (spaced)	
106	- - -	INT. window glazing	
107	- - -	Caulking	
108	- Mech Rm - by banquet parlor	Duct joint gasket (uninsulated ducts)	
109	- main Lobby - central stairwell	2' x 2' Ceramic Floor tile	
110	- men's Rm - N.W.	Ceramic wall tile (adhesive) - Brown	
111	- - -	Ceramic Floor Tile (Adhesive) - Brown	
112A	1st Floor - Rm 303	1" - 6" P.F. OF G.P.	
112B	- Rm 302		
112C	- 301		
113A	1st Floor - Rm 303	Wall SKIMCOAT (on Block wall)	
113B	- 302		
113C	- 301		
113D	- Rm 304		
113E	- Rm 305		

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## Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Project No.:

Page: 10 of     

Sample No.	Sample Location		Material	Asbestos Content (%) <sup>1</sup>
114	1st FIR	RM 303	2'x2' C.P. - Textured	
115	↓	↓	Mirror Adh. - Black	
116	↓	↓	Ceramic Ft./Adh./Grout - gold	
117	↓	↓	Ceramic wall Tile/Adh/ grout - olive	
118	↓	↓	Ceramic Countertop/Adh - gray	
119	↓	↓	Sink Undercoating - gray	
120	↓	↓	Transit window panel	
121	↓	↓	Wallpaper + Adh.	
122	↓	RM 302	Ceramic Ft./Adh./grout - dk. green	
123	↓	↓	Ceramic wall Tile/Adh grout - green	
124	↓	RM 301	Ceramic Ft./Adh./grout - black	
125	↓	↓	Ceramic wall Tile/Adh/grout - black	
126	↓	Rms 301 → 303 - Hallway	Carpet Adh. - Tan,	
127	↓	↓	Int window Caulking - Black	
128A	2nd FIR	RM 306	Spray Applied Ceiling Texture	
128B	↓	↓		
128C	↓	RM 305		
128D	↓	↓		
128E	↓	RM 304		

### Table II. Bulk Asbestos Analytical Results

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Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

Page: 9 of 9

Project No.:

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
134AC	2nd FIR - STORAGE/Fan Rm.	Wall texture	
135	↓ - Miami Rm	2'x2' C.P. - pocked	
136A	↓ -	Roof deck texture	
↓ B	↓ -	↓	
↓ C	↓ -	↓	
137	↓ - w. Monomonitor Rm	Roof deck material	
138A	↓ -	Rain leader ftg. insul.	
138B	↓ -	↓	
138C	↓ -	↓	
139	↓ - Mech. Rm	12'x12" F.T. - Brown flecked w/ mastic	
1963 1965 Add 140	1st main STORP FIR - ent. Lobby - Rm by disk	9'x9" F.T. - Black w/ Black mastic	
141	↓ - Rm 155	2'x2' C.P. - pocked	
142	↓ -	2'x4' C.P. - pocked	
143A	↓ -	14.6" PFIOF6TP	
143B	↓ - Hallway	↓	
143C	↓ -	↓	
144A	1st FIR - Rm 155	Sprg - Applied Fireproofing on beams	
144B	↓ - Rm. 163	↓	
144C	2nd FIR - Rm. 261	↓	



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## Table II. Bulk Asbestos Analytical Results

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Client:

Location:

Date of Inspection:

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Project No.:

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
145	1ST FLOOR - Rm 155	Transit Window panel	
146	-	Mirror Adh - Black (behind sink)	
147	-	Mirror Adh - Tan (6' pright mirror)	
148	-	Ceramic F.T. Adh/Grout - white	Not Submitted per Shawn Cazett
149	-	Ceramic Wall Tile/Adh/Grout - white	MC 6/1/16
150	- Hall (by Rm 155)	Caput Adh - Tan	
151	-	Exterior Window Glazing - gray	
152	-	Wall paper Adh - Tan	
153A	- Rm 155	Plaster	
B	- Rm 164		
C	2ND FLOOR - Rm 261		
154	1ST FLOOR - Rm 155	S.P. / J.C.	
155A	-	Skim Coat - on block wall	
155B	- Rm 164		
155C	2ND FLOOR - Rm 261		
156	1ST FLOOR - Rm 155	S.P. Adhesive - Tan	
157	-	Countertop Adh - Tan	
158	1ST FLOOR - Rm 153	Cbacksplash	
159	- Hallway	Ceramic wall Tile/Adh	

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## Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Page: 3 of

Project No.:

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
160	1st FIR - Hallway	Ceramic F.T. (wall/stair) - Red/Brown	
161	↓ - Rm 157	4" x 14" Ceramic F.T. (wall) - gray-white	
162	2nd FIR - Rm 264	12" x 12" C.T. - Fissured	
163	↓ - ↓	C.T. Adh. - Brown (Assoc. w/ 12" x 12" C.T.)	
164	1st FIR - Rm 161	Transit Window Caulking - white	
165	2nd FIR - Rm 308	Carpet Baseboard Adh. - Tan	
166	↓ - ↓	wall Adh. on brick - brown	
167	↓ - ↓	Interior window glazing	
168	- Hallway - S.W.	2' x 2' C.P. - packed	
169	- ↓	Carpet Adh. - Tan w/ flow leupler	
170	↓ - ↓	wall paper & Adh. - Tan	
171 A	2nd FIR - Storage Closet - by S.W. stairwell	SPG - Applied Fireproofing	
171 B	↓ - Rm 439		
171 C	1st - Rm 403		
171 D	1st - Rm 412		
171 E	↓ - Basement		
172	2nd FIR - Storage bx Closet - S.W. stair	12" x 12" F.T. - Brown Flecked w/ mastic	
173	↓ - ↓ - ↓	Vinyl Baseboard & brown w/ Adh.	
174 A	2nd FIR - Hallway	SKIM COtE - (on block walls)	
B	↓ - Rm 439		
C	1st FIR - Rm 417		
D	- Rm 424		
↓ E	↓ - Hallway		

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Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Page: 3 of

Project No.:

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
175	2nd FLOOR - Rm 439	Mirror Adh - Black	
176	↓	↓ - Tan	
177	↓	Countertop + mortar	
178	↓	Ceramic FT./Adh/grout - Tan (1")	
179	↓	Ceramic wall tile/ Adh./grout - Beige	
180	↓	S.R.	
181 A	2nd FLOOR - Rm 439	Plaster	
181 B	1st FLOOR - Rm 419	↓	
181 C	1st FLOOR - Hallway	↓	
182	2nd FLOOR - Rm 439	Metal window panel Caulking - Black	
183	1st FLOOR - STORAGE by 401	S.R./S.C.	
184/A	2nd FLOOR - STORAGE by 401	1" x 6" PFIC F62D	
184B	↓	↓	
184C	↓	↓	
185	1st FLOOR - Rm 403	Ceramic FT./Adh/grout - white	
6E-G			} OK to add per Shaun Carrell MC 6/1/16
16E			
38D-E			
43C-E			



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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Shawn Cazett  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

Phone: (952) 995-2688  
Fax: (952) 995-2020  
Received Date: 06/03/2016 3:15 PM  
Analysis Date: 06/07/2016  
Collected Date:

Project: B1604822

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
186 351603553-0001	1967 Add, 1st Floor, Rm 179, 2x2 CP Pockked	Gray/White Fibrous Homogeneous	75% Cellulose 15% Glass	10% Perlite	None Detected
187-Countertop 351603553-0002	1967 Add, 1st Floor, 198, Countertop + Mortar (Brown)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
187-Mortar 351603553-0002A	1967 Add, 1st Floor, 198, Countertop + Mortar (Brown)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
188-Wallpaper 351603553-0003	1967 Add, 1st Floor, 198, Wallpaper + Adh tan	Tan Fibrous Homogeneous	75% Synthetic	25% Non-fibrous (Other)	None Detected
188-Adhesive 351603553-0003A	1967 Add, 1st Floor, 198, Wallpaper + Adh tan	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
189A 351603553-0004	1967 Add, 1st Floor, 179, Wall Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
189B 351603553-0005	1967 Add, 1st Floor, Rm 198, Wall Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
189C-Plaster 351603553-0006	1967 Add, 1st Floor, 184, Wall Skim Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
189C-Skim Coat 351603553-0006A	1967 Add, 1st Floor, 184, Wall Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190A-Plaster 351603553-0007	1967 Add, 1st Floor, 184, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190A-Skim Coat 351603553-0007A	1967 Add, 1st Floor, 184, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190B-Plaster 351603553-0008	1967 Add, 2nd Floor, 286, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190B-Skim Coat 351603553-0008A	1967 Add, 2nd Floor, 286, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190C-Plaster 351603553-0009	1967 Add, 2nd Floor, 290, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
190C-Skim Coat 351603553-0009A	1967 Add, 2nd Floor, 290, Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
191A 351603553-0010	1967 Add, 1st Floor, 198, 1-6 PFI O FGI	Gray Fibrous Homogeneous	50% Glass	48% Non-fibrous (Other)	2% Amosite

Initial Report From: 06/08/2016 13:13:47



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EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
191B 351603553-0011	1967 Add, Basement, 1-6 PFI O FGI				Positive Stop (Not Analyzed)
191C 351603553-0012	1967 Add, 1st Floor, 187, 1-6 PFI O FGI				Positive Stop (Not Analyzed)
192-Ceramic Tile 351603553-0013	1967 Add, 1st Floor, Rm 179, Ceramic Wall tile/Adh, Grout/ (Beige)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
192-Grout 351603553-0013A	1967 Add, 1st Floor, Rm 179, Ceramic Wall tile/Adh, Grout/ (Beige)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
192-Adhesive 351603553-0013B	1967 Add, 1st Floor, Rm 179, Ceramic Wall tile/Adh, Grout/ (Beige)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
193-Ceramic Tile 351603553-0014	1967 Add, 1st Floor, 198, Ceramic floor tile Adh/Grout (White)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
193-Grout 351603553-0014A	1967 Add, 1st Floor, 198, Ceramic floor tile Adh/Grout (White)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
193-Adhesive 351603553-0014B	1967 Add, 1st Floor, 198, Ceramic floor tile Adh/Grout (White)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
194-Transite 351603553-0015	1967 Add, 1st Floor, 198, Transite Panel w/Adh	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
194-Adhesive 351603553-0015A	1967 Add, 1st Floor, 198, Transite Panel w/Adh	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
195-Light Gray Glazing 351603553-0016	1967 Add, 1st Floor, Transite Panel glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
195-Dark Gray Glazing 351603553-0016A	1967 Add, 1st Floor, Transite Panel glazing	Gray Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
196 351603553-0017	1967 Add, 1st Floor, Rm 179, Window Glazing (gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
197 351603553-0018	1967 Add, 1st Floor, Rm 179, Mirror Adh (Behind Sink) Black	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
198 351603553-0019	1967 Add, 1st Floor, Rm 179, Mirror Adh (next to bed) tan	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
199 351603553-0020	1967 Add, 1st Floor, Rm 179, Adhesive on Styrofoam Above Windows (tan)	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
200 351603553-0021	1967 Add, 1st Floor, Rm 180, 2x2 CP Pocked	Gray/White Fibrous Homogeneous	75% Cellulose 15% Glass	10% Perlite	None Detected
201 351603553-0022	1967 Add, 1st Floor, Rm 180, Transite Panel Glazing (gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 06/08/2016 13:13:47



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
202 351603553-0023	1967 Add, 1st Floor, Rm 180, Window Glazing (gray)	Gray Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
203 351603553-0024	1967 Add, 1st Floor, Rm 189, Mirror Adh (tan) Upright Mirror	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
204 351603553-0025	1967 Add, 1st Floor, Rm 192, 2x2 CP Pocked	Gray/White Fibrous Homogeneous	45% Cellulose 45% Glass	10% Perlite	None Detected
205A 351603553-0026	1967 Add, 1st Floor, Rm 264, SR/JC	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
This sample only contains sheetrock.					
205B 351603553-0027	1967 Add, 1st Floor, Rm 264, SR/JC	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
This sample only contains sheetrock.					
205C 351603553-0028	1967 Add, 1st Floor, Rm 264, SR/JC	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
206A 351603553-0029	1967 Add, 1st Floor, Rm 264, Wall texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
206B 351603553-0030	1967 Add, 1st Floor, Rm 264, Wall texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
206C 351603553-0031	1967 Add, 1st Floor, Rm 264, Wall texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
207-Ceramic Tile 351603553-0032	1967 Add, 1st Floor, Rm 264, Ceramic wall tile w/Adh/Grout	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
This sample does not contain any adhesive.					
207-Grout 351603553-0032A	1967 Add, 1st Floor, Rm 264, Ceramic wall tile w/Adh/Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
208 351603553-0033	1967 Add, 1st Floor, Rm 264, Carpet Adh tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
209-Ceramic Tile 351603553-0034	1967 Add, 1st Floor, Hallway, Ceramic floor tile Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
209-Grout 351603553-0034A	1967 Add, 1st Floor, Hallway, Ceramic floor tile Brown	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
209-Bedding 351603553-0034B	1967 Add, 1st Floor, Hallway, Ceramic floor tile Brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
210 351603553-0035	1967 Add, 1st Floor, Hallway, Window Glazing skylight Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
211-Ceramic Tile 351603553-0036	1967 Add, 1st Floor, Hallway, Ceramic floor tile white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
211-Bedding 351603553-0036A	1967 Add, 1st Floor, Hallway, Ceramic floor tile white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
212-Ceramic Tile 351603553-0037	1967 Add, 1st Floor, Hallway, Ceramic floor tile Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
212-Grout 351603553-0037A	1967 Add, 1st Floor, Hallway, Ceramic floor tile Red	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
213-Floor Tile 351603553-0038	1967 Add, 1st Floor, Hallway, 9x9 FT tan striated w/Mastic	Tan Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
213-Mastic 351603553-0038A	1967 Add, 1st Floor, Hallway, 9x9 FT tan striated w/Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
214-Baseboard 351603553-0039	1967 Add, 1st Floor, Hallway, Vinyl BB w Adhesive Tan	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
214-Adhesive 351603553-0039A	1967 Add, 1st Floor, Hallway, Vinyl BB w Adhesive Tan	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
215 351603553-0040	1967 Add, 1st Floor, Pool Area, Transite Panels	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
216-Ceramic Tile 351603553-0041	1967 Add, 1st Floor, Pool Area, Ceramic tile on pool Red w/Grout	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
216-Grout 351603553-0041A	1967 Add, 1st Floor, Pool Area, Ceramic tile on pool Red w/Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
217-Ceramic Tile 351603553-0042	1967 Add, 1st Floor, Pool Area, Ceramic tile on pool Blue w/Grout	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
217-Grout 351603553-0042A	1967 Add, 1st Floor, Pool Area, Ceramic tile on pool Blue w/Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
217-Bedding 351603553-0042B	1967 Add, 1st Floor, Pool Area, Ceramic tile on pool Blue w/Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
218-Rock 351603553-0043	1967 Add, 1st Floor, Pool Area, Decorative wall Rock Adhesive	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
218-Adhesive 351603553-0043A	1967 Add, 1st Floor, Pool Area, Decorative wall Rock Adhesive	Tan Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
219 351603553-0044	1967 Add, 2nd Floor, Hallway, 2x2 CP Pocked	Gray/White Fibrous Homogeneous	65% Cellulose 25% Glass	10% Perlite	None Detected
220A 351603553-0045	1967 Add, Basement, Boiler Rm (orange), 1"-6" PFIOFGIP	White Fibrous Homogeneous	50% Glass	25% Non-fibrous (Other)	25% Chrysotile
220B 351603553-0046	1967 Add, Basement, Boiler Rm (Lt Blue), 1"-6" PFIOFGIP				Positive Stop (Not Analyzed)



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	Non-Asbestos		Asbestos % Type
				% Non-Fibrous		
220C 351603553-0047	1967 Add, Basement, Boiler Rm (orange), 1"-6" PFIOFGIP					Positive Stop (Not Analyzed)
221A 351603553-0048	1967 Add, Basement, Boiler Rm, Tank Insulation	Gray/White Fibrous Heterogeneous		60% Non-fibrous (Other)		20% Amosite 20% Chrysotile
221B 351603553-0049	1967 Add, Basement, Boiler Rm, Tank Insulation					Positive Stop (Not Analyzed)
221C 351603553-0050	1967 Add, Basement, Boiler Rm, Tank Insulation					Positive Stop (Not Analyzed)
222A 351603553-0051	1967 Add, Basement, Boiler Rm, Boiler Breeching	Gray/White Fibrous Heterogeneous		60% Non-fibrous (Other)		20% Amosite 20% Chrysotile
222B 351603553-0052	1967 Add, Basement, Boiler Rm, Boiler Breeching					Positive Stop (Not Analyzed)
222C 351603553-0053	1967 Add, Basement, Boiler Rm, Boiler Breeching					Positive Stop (Not Analyzed)
223 351603553-0054	1967 Add, Basement, Boiler Rm, Boiler Burner gasket - white	White Fibrous Homogeneous		5% Non-fibrous (Other)		95% Chrysotile
224 351603553-0055	1967 Add, Basement, Boiler Rm, Duct Vibration gasket - Black	Brown Fibrous Homogeneous	75% Glass	25% Non-fibrous (Other)		None Detected
225 351603553-0056	1967 Add, 1st FLR, Stairwell to Basement, Fire door Insul.	White Fibrous Homogeneous		60% Non-fibrous (Other)		20% Amosite 20% Chrysotile
226A 351603553-0057	1st FLR, N.E. Stairwell, Spray-applied Ceiling Texture	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)		3% Chrysotile
226B 351603553-0058	1st FLR, N.E. Stairwell, Spray-applied Ceiling Texture					Positive Stop (Not Analyzed)
226C 351603553-0059	1st FLR, N.E. Stairwell, Spray-applied Ceiling Texture					Positive Stop (Not Analyzed)
227 351603553-0060	1st FLR, N.E. Stairwell, Mirror Adh - Black	Black Fibrous Homogeneous		80% Non-fibrous (Other)		20% Chrysotile
228A 351603553-0061	Exterior, 1963 Addition, North, Overhang Ceiling Texture	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)		2% Chrysotile
228B 351603553-0062	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)





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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	Non-Asbestos		Asbestos % Type
				% Non-Fibrous		
228C 351603553-0063	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)
228D 351603553-0064	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)
228E 351603553-0065	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)
228F 351603553-0066	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)
228G 351603553-0067	Exterior, 1963 Addition, North, Overhang Ceiling Texture					Positive Stop (Not Analyzed)
229 351603553-0068	Exterior, 1963 Addition, North, Sheetrock	White Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)		None Detected
230 351603553-0069	Exterior, 1963 Addition, North, Styrofoam Panel Adh - Black	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)		4% Chrysotile
231 351603553-0070	Exterior, 1963 Addition, North, Decorative Rock Caulking - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
232 351603553-0071	Exterior, 1963 Addition, North, Window Caulking - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
233 351603553-0072	Exterior, 1963 Addition, North, Door Caulking - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
234 351603553-0073	Exterior, 1963 Addition, North, Decorative Rock expansion Caulk - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
235A 351603553-0074	Exterior, 1963 Addition, North, Column Texture - gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
235B 351603553-0075	Exterior, 1963 Addition, North, Column Texture - gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
235C 351603553-0076	Exterior, 1963 Addition, North, Column Texture - gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
235D 351603553-0077	Exterior, 1963 Addition, West, Column Texture - gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected
235E 351603553-0078	Exterior, 1963 Addition, West, Column Texture - gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)		None Detected



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
236-Brown Caulk 351603553-0079	Exterior, 1963 Addition, West, Lg window and door caulking - brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
236-Gray Caulk 351603553-0079A	Exterior, 1963 Addition, West, Lg window and door caulking - brown	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
237 351603553-0080	Exterior, 1963 Add, West, Bldg. expansion Caulk - white	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
238 351603553-0081	Exterior, 1963 Add, East, Window Caulking - White (on bricks)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
239 351603553-0082	Exterior, 1963 Add, East, Window Frame Caulking - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
240 351603553-0083	Exterior, 1963 Add, East, Window glazing - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
241 351603553-0084	Exterior, 1963 Add, East, Window Base Caulking - gray (bottom of panel)	Gray Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
242 351603553-0085	Exterior, 1963 Add, South, Windwo glazing - gray (Brittle)	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
243 351603553-0086	Exterior, 1965 Add, South, Windwo Caulking - gray (on Brick)	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
244 351603553-0087	Exterior, 1965 Add, South, Window Frame Caulking - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
245 351603553-0088	Exterior, 1965 Add, South, Window glazing - gray (brittle)	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
246 351603553-0089	Exterior, 1965 Add, South, Windwo glazing - dk gray (Vinyl)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
247 351603553-0090	Exterior, 1967 Add, South, Window Caulking - gray (on column)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
248 351603553-0091	Exterior, 1967 Add, South, Transite window panel glazing - gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
249 351603553-0092	Exterior, 1967 Add, South, Window glazing - gray brittle	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
250 351603553-0093	Exterior, 1965 Add, North, Window Frame Sealant - white	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Order: 351603553

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
251 351603553-0094	Exterior, 1979 Add, West, Door/Window Caulking - Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
252 351603553-0095	Exterior, 1979 Add, West, Window glazing - Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
253-Flashing 351603553-0096	Roof, 1963 Add, West, Asphalt Roof base	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
253-Tar 351603553-0096A	Roof, 1963 Add, West, Asphalt Roof base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
253-Fibrous Layer 351603553-0096B	Roof, 1963 Add, West, Asphalt Roof base	Tan Fibrous Homogeneous	100% Cellulose		None Detected
253-Foam 351603553-0096C	Roof, 1963 Add, West, Asphalt Roof base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
254-Silver Paint 351603553-0097	Roof, 1963 Add, West, Asphalt Roof Flashing (w/Silver paint)	Silver Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
254-Flashing 351603553-0097A	Roof, 1963 Add, West, Asphalt Roof Flashing (w/Silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
254-Tar 351603553-0097B	Roof, 1963 Add, West, Asphalt Roof Flashing (w/Silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
255-Flashing 351603553-0098	Roof, 1963 Add, North, Asphalt Roof Base	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
255-Tar 351603553-0098A	Roof, 1963 Add, North, Asphalt Roof Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
255-Fibrous Layer 351603553-0098B	Roof, 1963 Add, North, Asphalt Roof Base	Tan Fibrous Homogeneous	100% Cellulose		None Detected
255-Foam 351603553-0098C	Roof, 1963 Add, North, Asphalt Roof Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
256-Tar 351603553-0099	Roof, 1963 Add, North, Asphalt Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
256-Flashing 351603553-0099A	Roof, 1963 Add, North, Asphalt Roof Flashing	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
256-Fibrous Layer 351603553-0099B	Roof, 1963 Add, North, Asphalt Roof Flashing	Tan Fibrous Homogeneous	100% Cellulose		None Detected
257-Sealer 351603553-0100	Roof, 1963 Add, North, Gray Tarry Seam Sealer + patch	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
257-Fibrous Layer 351603553-0100A	Roof, 1963 Add, North, Gray Tarry Seam Sealer + patch	Black Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected



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Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
258	Roof, 1963 Add, West, Duct Seam	Tan Fibrous		5% Non-fibrous (Other)	95% Chrysotile
351603553-0101	Gasket - Woven Cloth	Homogeneous			
259A-Texture	Roof, 1963 Add, East, Elev. Tower Siding	Gray Fibrous	50% Glass	50% Non-fibrous (Other)	None Detected
351603553-0102	Texture	Homogeneous			
259A-Foam	Roof, 1963 Add, East, Elev. Tower Siding	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0102A	Texture	Homogeneous			
259B-Texture	Roof, 1963 Add, East, Elev. Tower Siding	Gray Fibrous	50% Glass	50% Non-fibrous (Other)	None Detected
351603553-0103	Texture	Homogeneous			
259B-Foam	Roof, 1963 Add, East, Elev. Tower Siding	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0103A	Texture	Homogeneous			
259C-Texture	Roof, 1963 Add, East, Elev. Tower Siding	Gray Fibrous	50% Glass	50% Non-fibrous (Other)	None Detected
351603553-0104	Texture	Homogeneous			
259C-Foam	Roof, 1963 Add, East, Elev. Tower Siding	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0104A	Texture	Homogeneous			
260	Roof, 1963 Add, West, Duct Seam	Black Fibrous	85% Glass	15% Non-fibrous (Other)	None Detected
351603553-0105	Wrap - Black	Homogeneous			
261-Flashing	Roof, 1963 Add, East, Asphalt Roof Flashing (w/silver paint)	Black Fibrous	25% Cellulose	75% Non-fibrous (Other)	None Detected
351603553-0106		Homogeneous			
No silver paint on sample.					
261-Tar	Roof, 1963 Add, East, Asphalt Roof Flashing (w/silver paint)	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0106A		Homogeneous			
261-Fibrous Layer	Roof, 1963 Add, East, Asphalt Roof Flashing (w/silver paint)	Tan Fibrous	100% Cellulose		None Detected
351603553-0106B		Homogeneous			
261-Foam	Roof, 1963 Add, East, Asphalt Roof Flashing (w/silver paint)	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0106C		Homogeneous			
262-Silver Paint	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Silver Non-Fibrous		94% Non-fibrous (Other)	6% Chrysotile
351603553-0107		Homogeneous			
262-Tar Paper	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Brown Fibrous	25% Cellulose	50% Non-fibrous (Other)	25% Chrysotile
351603553-0107A		Homogeneous			
262-Tar	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0107B		Homogeneous			
262-Flashing	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Fibrous	25% Cellulose	75% Non-fibrous (Other)	None Detected
351603553-0107C		Homogeneous			
262-Tar 2	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
351603553-0107D		Homogeneous			
262-Flashing 2	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Fibrous	25% Cellulose	75% Non-fibrous (Other)	None Detected
351603553-0107E		Homogeneous			



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
262-Tar 3 351603553-0107F	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
262-Flashing 3 351603553-0107G	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Brown/Black Fibrous Homogeneous	25% Cellulose	65% Non-fibrous (Other)	10% Chrysotile
262-Tar 4 351603553-0107H	Roof, 1963 Add, East, Asphalt Roof Base (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
263-Rubber Membrane 351603553-0108	Roof, 1963 Add, West, Rolled asphalt Roofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
263-Roofing 351603553-0108A	Roof, 1963 Add, West, Rolled asphalt Roofing	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
263-Fibrous Layer 351603553-0108B	Roof, 1963 Add, West, Rolled asphalt Roofing	Tan Fibrous Homogeneous	90% Cellulose	10% Perlite	None Detected
263-Tar 351603553-0108C	Roof, 1963 Add, West, Rolled asphalt Roofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
263-Flashing 351603553-0108D	Roof, 1963 Add, West, Rolled asphalt Roofing	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
263-Tar 2 351603553-0108E	Roof, 1963 Add, West, Rolled asphalt Roofing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
264-Flashing 351603553-0109	Roof, 1965 Add, East, Asphalt Roof Base	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
264-Tar 351603553-0109A	Roof, 1965 Add, East, Asphalt Roof Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
264-Fibrous Layer 351603553-0109B	Roof, 1965 Add, East, Asphalt Roof Base	Tan Fibrous Homogeneous	100% Cellulose		None Detected
264-Foam 351603553-0109C	Roof, 1965 Add, East, Asphalt Roof Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
265-Silver Paint 351603553-0110	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Silver Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
265-Tar Felt 351603553-0110A	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Brown Fibrous Homogeneous	25% Cellulose	50% Non-fibrous (Other)	25% Chrysotile
265-Tar 351603553-0110B	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
265-Flashing 351603553-0110C	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
265-Tar 2 351603553-0110D	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
265-Fibrous Layer 351603553-0110E	Roof, 1965 Add, East, Asphalt Roof Flashing (w/silver paint)	Tan Fibrous Homogeneous	100% Cellulose		None Detected



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
266-Flashing 351603553-0111	Roof, 1965 Add, West, Asphalt Roof Base	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
266-Tar 351603553-0111A	Roof, 1965 Add, West, Asphalt Roof Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
266-Foam 351603553-0111B	Roof, 1965 Add, West, Asphalt Roof Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
267-Silver Paint 351603553-0112	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Silver Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
267-Tar Paper 351603553-0112A	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Brown Fibrous Homogeneous	15% Cellulose	50% Non-fibrous (Other)	35% Chrysotile
267-Tar 351603553-0112B	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
267-Flashing 351603553-0112C	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Brown Fibrous Homogeneous	15% Cellulose	50% Non-fibrous (Other)	35% Chrysotile
267-Tar 2 351603553-0112D	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
267-Flashing 2 351603553-0112E	Roof, 1965 Add, West, Asphalt Roof Flashing (w/silver paint)	Brown/Black Fibrous Homogeneous	40% Cellulose	50% Non-fibrous (Other)	10% Chrysotile
268-Shingle 351603553-0113	Roof, 1967 Add, Central, Asphalt Roof Base	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
268-Tar 351603553-0113A	Roof, 1967 Add, Central, Asphalt Roof Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
268-Fibrous Layer 351603553-0113B	Roof, 1967 Add, Central, Asphalt Roof Base	Gray Fibrous Homogeneous	100% Cellulose		None Detected
268-Foam 351603553-0113C	Roof, 1967 Add, Central, Asphalt Roof Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
269-Flashing 351603553-0114	Roof, 1967 Add, Central, Asphalt Roof Flashing	Black Fibrous Homogeneous	10% Cellulose 15% Glass	75% Non-fibrous (Other)	None Detected
269-Tar 351603553-0114A	Roof, 1967 Add, Central, Asphalt Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
269-Fibrous Layer 351603553-0114B	Roof, 1967 Add, Central, Asphalt Roof Flashing	Tan Fibrous Homogeneous	100% Cellulose		None Detected
270-Gray Layer 351603553-0115	Roof, 1967 Add, Central, Gray Tarry Seam Sealer/patch	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
270-Black Layer <small>351603553-0115A</small>	Roof, 1967 Add, Central, Gray Tarry Seam Sealer/patch	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
271-Tar <small>351603553-0116</small>	Roof, 1979 Add, Central, Asphalt Roof base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
271-Flashing <small>351603553-0116A</small>	Roof, 1979 Add, Central, Asphalt Roof base	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
271-Fibrous Layer <small>351603553-0116B</small>	Roof, 1979 Add, Central, Asphalt Roof base	Gray/Tan Fibrous Homogeneous	100% Cellulose		None Detected
272-Flashing <small>351603553-0117</small>	Roof, 1979 Add, Central, Asphalt Roof Flashing	Gray/Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
272-Tar <small>351603553-0117A</small>	Roof, 1979 Add, Central, Asphalt Roof Flashing	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
273-Gray Layer <small>351603553-0118</small>	Roof, 1979 Add, Central, gray Tarry Seam Sealer	Gray Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
273-Black Layer <small>351603553-0118A</small>	Roof, 1979 Add, Central, gray Tarry Seam Sealer	Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
274A <small>351603553-0119</small>	Rooftop penthouse, 1963/74 Add, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
274B <small>351603553-0120</small>	Rooftop penthouse, 1963/74 Add, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
274C <small>351603553-0121</small>	Rooftop penthouse, 1963/74 Add, 1"-6" PFIOFGIP	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
275-Canvas <small>351603553-0122</small>	Rooftop penthouse, 1963/74 Add, Duct Canvas Seam Tape	White Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
275-Insulation <small>351603553-0122A</small>	Rooftop penthouse, 1963/74 Add, Duct Canvas Seam Tape	Yellow Fibrous Homogeneous	100% Glass		None Detected
276 <small>351603553-0123</small>	Rooftop penthouse, 1963/74 Add, Duct Vibration gasket - Black	Black Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected





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EMSL Order: 351603553

Customer ID: BRAU50

Customer PO:

Project ID:

Analyst(s)

*Miles DelBusso (187)*

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 06/08/2016 13:13:47





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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

3553

Company: <u>Brown Interdec</u>		EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1102A Hampshire</u>		Third Party Billing requires written authorization from third party	
City:	State/Province:	Zip/Postal Code:	Country:
Report To (Name): <u>Scaretz / R Nordby</u>		Telephone #:	
Email Address: <u>Scaretz / R Nordby @ Brown Interdec</u>		Fax #:	Purchase Order:
Project Name/Number: <u>B1004822</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>mn</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

## Turnaround Time (TAT) Options\* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air ☐ Check if samples are from NY

- ☐ NIOSH 7400  
☐ w/ OSHA 8hr. TWA

## PLM - Bulk (reporting limit)

- ☒ PLM EPA 600/R-93/116 (<1%)  
☐ PLM EPA NOB (<1%)  
Point Count  
☐ 400 (<0.25%) ☐ 1000 (<0.1%)  
Point Count w/Gravimetric  
☐ 400 (<0.25%) ☐ 1000 (<0.1%)  
☐ NYS 198.1 (friable in NY)  
☐ NYS 198.6 NOB (non-friable-NY)  
☐ NIOSH 9002 (<1%)

TEM - Air ☐ 4-4.5hr TAT (AHERA only)

- ☐ AHERA 40 CFR, Part 763  
☐ NIOSH 7402  
☐ EPA Level II  
☐ ISC 10312

## TEM - Bulk

- ☐ TEM EPA NOB  
☐ NYS NOB 198.4 (non-friable-NY)  
☐ Chatfield SOP  
☐ TEM Mass Analysis-EPA 600 sec. 2.5

## TEM - Water: EPA 100.2

- Fibers >10µm ☐ Waste ☐ Drinking  
All Fiber Sizes ☐ Waste ☐ Drinking

## TEM - Dust

- ☐ Microvac - ASTM D 5755  
☐ Wipe - ASTM D6480  
☐ Carpet Sonication (EPA 600/J-93/167)

## Soil/Rock/Vermiculite

- ☐ PLM CARB 435 - A (0.25% sensitivity)  
☐ PLM CARB 435 - B (0.1% sensitivity)  
☐ TEM CARB 435 - B (0.1% sensitivity)  
☐ TEM CARB 435 - C (0.01% sensitivity)  
☐ TEM Qual. via Filtration Technique  
☐ TEM Qual. via Drop-Mount Technique

## Other:

☐☒ Check For Positive Stop - Clearly Identify Homogenous GroupFilter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µmSamplers Name: Shawn CazettSamplers Signature: [Signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	<u>See Table II</u>		

Client Sample # (s):

Total # of Samples:

Relinquished (Client): ScaretzDate: 6/3/16

3:15

Time:

Received (Lab): McLayportDate: 6/3/16Time: 3:15

Comments/Special Instructions:

Point count 400 non-grav up to 5 samples  
if 2 samples call for approval

Invoice Erin Campbell  
Do Not send to other lab

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3553

Table II. Bulk Asbestos Analytical Results

← Providing engineering and environmental solutions since 1957

Client:  
 Location:  
 Date of Inspection:  
 Project No.:

Page: 16

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
186	1707 Add 1st Floor Rm 179	2x2 CP Packed	
187		Countertop & mortar (Brown)	
188		wallpaper & Adh tan	
189A		wall SKimcoast	
B			
C			
190 A	1st floor 184	Plaster	
B	2nd floor 286		
C	290		
191 A	1st floor 198	1-6 PFI OFGI 4	
B	Basement		
C	1st floor 187		
192	1st floor Rm 179	Ceramic wall tile / Adh Grout / (Beige)	
193		Ceramic floor tile Adh / Grout (white)	
194		Transite Panel w / Adh	
195		Transite Panel Glazing	

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3553

Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Project No.:

Page: 317 of

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
196	1967 1st Rm Addit floor 179	Window Glazing (gray)	
197		mirror Adh	
198		(behind sink) Black Mirror Adh	
199		(next to bed) tan Adhesive on Styrofoam	
200	Rm 180	Above Windows (tan) 2x2 CP Pocked	
201		Transite panel Glazing (gray)	
202		Window Glazing (gray)	
203	Rm 189	mirror Adh (tan)	
204	Rm 192	upright mirror	
205A	Rm 204	2x2 CP Pocked	
1 B		SR/JC	
1 C			
206A		wall texture	
1 B			
1 C			
207		Ceramic wall tile w/Adh/grout	
208		Carpet Adh tan	
209	Hallway	Ceramic floor tile Brown	

3553

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Table II. Bulk Asbestos Analytical Results

Providing engineering and environmental solutions since 1957

Client:

Location:

Date of Inspection:

Project No.:

Page: 3 of 18

Sample No.	Sample Location	Material	Asbestos Content (%) <sup>1</sup>
210	1967 1st floor Hallway	Window glazing	
211	ADD	Skylight Black	
212		Ceramic floor tile	
213		White	
214		Ceramic floor tile	
215		Red	
216		9x9 FT tan striated	
217		w/ Mastic	
218		vinyl BB w Adhesive Tan	
219		Transit Panels	
220 A	Pool Area	Ceramic tile on pool	
220 B		Red w/ grout	
220 C		Ceramic tile on pool	
221 A-C		Blue w/ Grout	
222 A-C		Decorative wall Rock	
223		Adhesive	
224	2nd floor Hallway	2x8 CP pocket	
225	Basement - Boiler Room (orange)	1"-6" PF10F61P	
226		(LT Blue)	
227		(orange)	
228		Tank Insulation	
229		Boiler Breaching	
230		Boiler Burner gasket - white	
231		Duct Vibration gasket - Black	
232	1st floor - stairwell to Basement	Fire door Insul.	

3553

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Sample No.	Sample Location			Material	Asbestos Content (%)		
226 A	1st Flr	N.E. Stairwell		Spray-applied Ceiling Texture			
226 B							
226 C							
227				Mirror Adh - Black			
228 A	Exterior	1963 Addition	NORTH	Overhang Ceiling Texture			
228 B							
228 C							
D							
E							
F							
G							
229				Sheetrock			
230				Styrofoam Panel Adh - Black			
231				Decorative Rock Caulking - Tan			
232				Window Caulking - Gray			
233				Door Caulking - White			
234				Decorative Rock expansion Caulk - Gray			
235 A				Column Texture - Gray			
B							
C							
D							
E			West				
236				Lg. window & door Caulking - brown			

3553

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Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>		
259 A-C	Roof	1963 Add.	EAST	Elev. Tower siding texture			
260	↓	↓	West	Duct Seam wrap - Black			
261	↓	↓	East	Asphalt Roof Flashing (w/silver paint)			
262	↓	↓	↓	↓ ↓ Base			
263	↓	↓	West	Roller asphalt Roofing			
264	↓	1965 Add.	EAST	Asphalt Roof Base			
265	↓	↓	East	↓ ↓ Flashing (w/silver paint)			
266	↓	↓	West	↓ ↓ Base			
267	↓	↓	↓	↓ ↓ Flashing (w/silver paint)			
268	↓	1967 Add.	Center	↓ ↓ BASE			
269	↓	↓	↓	↓ ↓ Flashing			
270	↓	↓	↓	Gray Tarry Seam Sealer/paper			
271	↓	1979 Add.	↓	Asphalt Roof base			
272	↓	↓	↓	↓ ↓ Flashing			
273	↓	↓	↓	Gray Tarry Seam Sealer			
274 A	Roof top penthouse	1963/74 Add.		1"-6" PFIOF6EP			
B	↓	↓		↓			
C	↓	↓		↓			
275	↓	↓		Duct Canvas Seam Tape			
276	↓	↓		Duct Vibration gasket - Black			

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Sample No.	Sample Location			Material	Asbestos Content (%) <sup>1</sup>		
237	Exterior	1963 Add	West	Bldg. expansion Caulk - white			
238	↓	↓	East	Window Caulking - white (on brick)			
239	↓	↓	↓	Window Frame Caulking - gray			
240	↓	↓	↓	Window glazing - gray			
241	↓	↓	↓	Window Base Caulking - gray (on Hemg. panel)			
242	↓	↓	South	Window glazing - gray (BRHic)			
243	↓	1965 Add.	↓	Window Caulking - gray (on brick)			
244	↓	↓	↓	Window Frame Caulking - gray			
245	↓	↓	↓	Window glazing - gray (on Hic)			
246	↓	↓	↓	Window glazing - dk gray (vinyl)			
247	↓	1967 Add	↓	Window Caulking - gray (on column)			
248	↓	↓	↓	Transite window panel Glazing - gray			
249	↓	↓	↓	Window glazing - gray brittle			
250	↓	1965 Add	North	Window Frame Sealant - white			
251	↓	1979 Add	West	Door/Window Caulking - Brown			
252	↓	↓	↓	Window glazing - Brown			
253	Roof	1963 Add	West	Asphalt Roof base			
254	↓	↓	↓	↓ ↓ Flashing (w/ silver paint)			
255	↓	↓	North	↓ ↓ Base			
256	↓	↓	↓	↓ ↓ Flashing			
257	↓	↓	↓	gray Tarry seam sealer + patches			
258	↓	↓	West	Duct seam basket - woven cloth			

JAD →

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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603677

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Shawn Cazett  
Braun Intertec  
11001 Hampshire Avenue South  
Bloomington, MN 55438

Phone: (952) 995-2688  
Fax: (952) 995-2020  
Received Date: 06/07/2016 3:00 PM  
Analysis Date: 06/10/2016  
Collected Date:

Project: B1604822 (Thunderbird)

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
56B 351603677-0001	> 12" Rain leader Insul. (Roof drain ftg.)	Gray Fibrous Homogeneous	10% Cellulose 40% Glass	50% Non-fibrous (Other)	None Detected
56C 351603677-0002	> 12" Rain leader Insul. (Roof drain ftg.)	Gray Fibrous Homogeneous	50% Glass	50% Non-fibrous (Other)	None Detected
277 351603677-0003	Foundation Waterproofing - black (1963)	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
278 351603677-0004	Foundation Waterproofing - black (1967)	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
279 351603677-0005	Garage - S.R./J.C. <i>This sample only contains sheetrock.</i>	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
280 351603677-0006	Garage - Blown In Insul. (White)	White Fibrous Homogeneous	100% Glass		None Detected
281 351603677-0007	Garage - Asphalt Roof Shingle/tar paper	Gray/Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
282A 351603677-0008	Plaster Fascia - Exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
282B 351603677-0009	Plaster Fascia - Exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
282C 351603677-0010	Plaster Fascia - Exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
282D 351603677-0011	Plaster Fascia - Exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
282E 351603677-0012	Plaster Fascia - Exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
283-Ceramic Tile 351603677-0013	12" Ceramic Tile/mortar/backer - (Courtyard)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
283-Grout 351603677-0013A	12" Ceramic Tile/mortar/backer - (Courtyard)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
283-Bedding 351603677-0013B	12" Ceramic Tile/mortar/backer - (Courtyard)	White Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected





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14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351603677

Customer ID: BRAU50

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
284 <small>351603677-0014</small>	Paver Caulking - gray (Courtyard)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
285A <small>351603677-0015</small>	Column Texture - (Courtyard)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
285B <small>351603677-0016</small>	Column Texture - (Courtyard)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
285C <small>351603677-0017</small>	Column Texture - (Courtyard)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
286 <small>351603677-0018</small>	Concrete Paver - Red	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
184C <small>351603677-0019</small>	"1-6" PFIOFGIP - (1979 Boiler Rm)	Gray Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected

Analyst(s)

Miles DelBusso (21)

Rachel Travis, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 06/10/2016 16:29:58

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

3677

Company: <u>Braun Intertec</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>11001 Hampshire Ave. 50</u>		Third Party Billing requires written authorization from third party	
City: <u>Bloomington</u>	State/Province: <u>MA</u>	Zip/Postal Code: <u>51438</u>	Country: <u>Kenya</u>
Report To (Name): <u>Shawn Cazett + Rob Nordby</u>		Telephone #:	
Email Address: <u>Scazett@braunintertec.com</u>		Fax #:	Purchase Order:
Project Name/Number: <u>BL6 04822 (Thunderbird)</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken: <u>MA</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hr through 5 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 500/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <u>up to 5 samples</u> <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <u>call if &gt;5</u> <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <b>Other:</b> <input type="checkbox"/>			
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.4µm	
Samplers Name: <u>Shawn Cazett</u>		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
56B	>12" Rain leader Insul. ( <del>roof</del> drain ftg.)		
56C	↓		
277	Foundation water proofing - black (1963)		
278	↓ (1967)		
279	Garage - S.R./J.C.		
280	↓ - Blown In - Insul. (white)		
281	↓ - Asphalt Roof Shingle / to paper		
		(over →)	
Client Sample # (s): <u>184C 56B,C ; 277 → 286</u>		Total # of Samples: <u>19</u>	
Relinquished (Client):		Date:	Time:
Received (Lab): <u>K. Smith</u> <u>wi</u>		Date: <u>6/7/16</u>	Time: <u>3:00</u>
Comments/Special Instructions:			

**Asbestos Chain of Custody**  
**EMSL Order Number** *(Lab Use Only)*

3677

[illegible]

Page 2 Of 2

## **Appendix E**

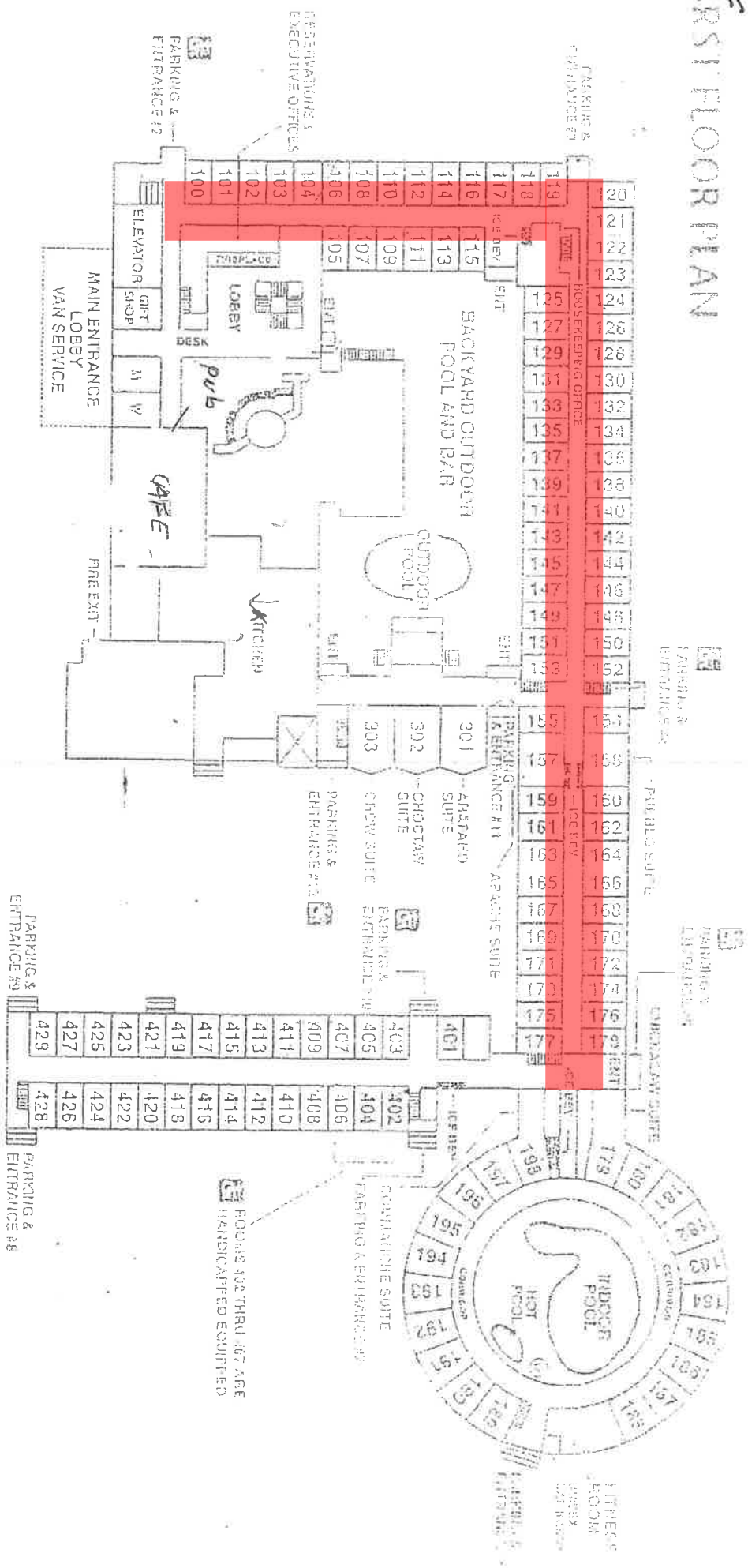
### **Site Maps and Sample Location Maps**



# Ramada (former Thunderbird) Hotel

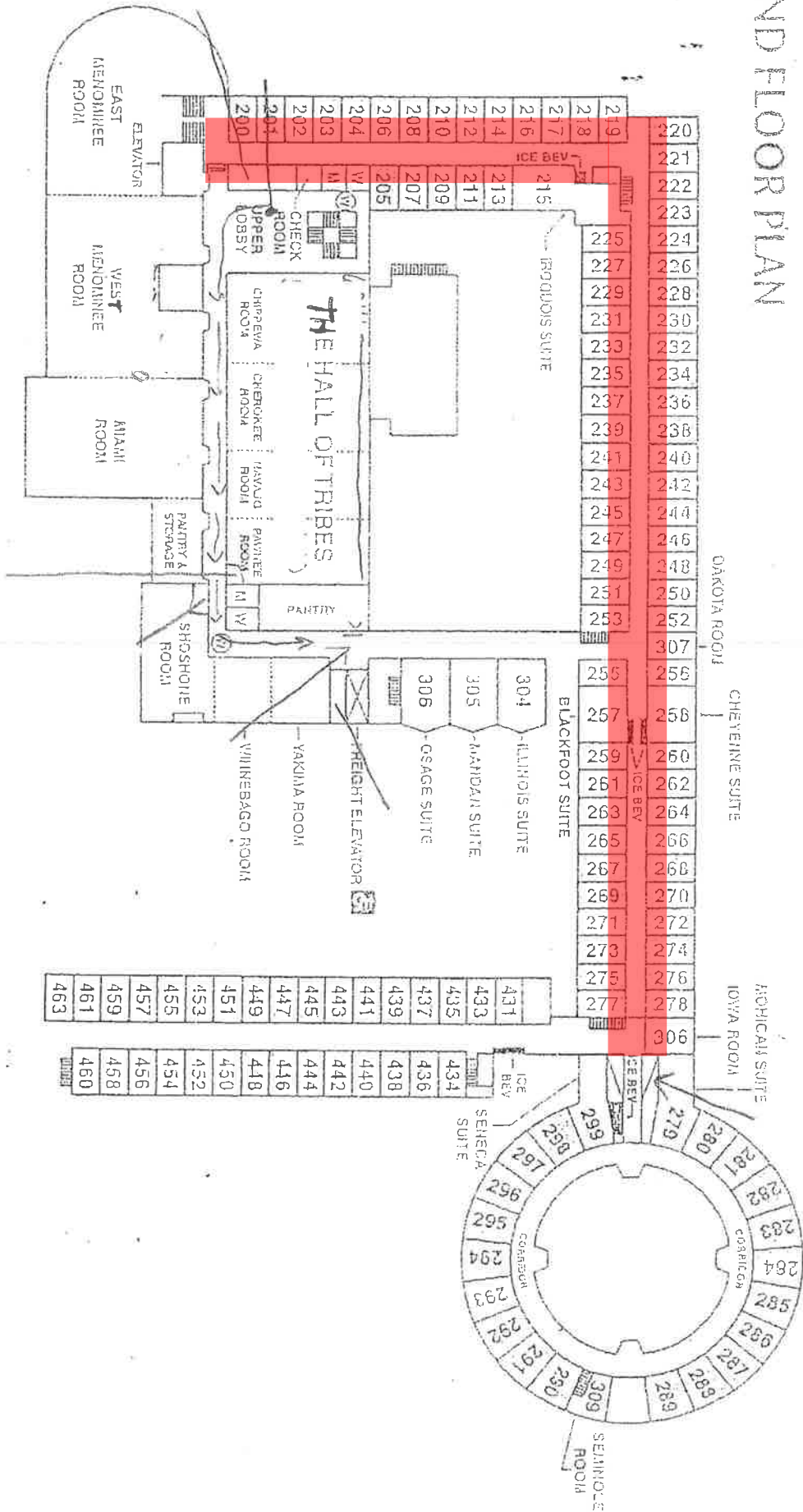


# 1<sup>ST</sup> FLOOR PLAN



Identified Spray-applied ACM Fireproofing

# SECOND FLOOR PLAN

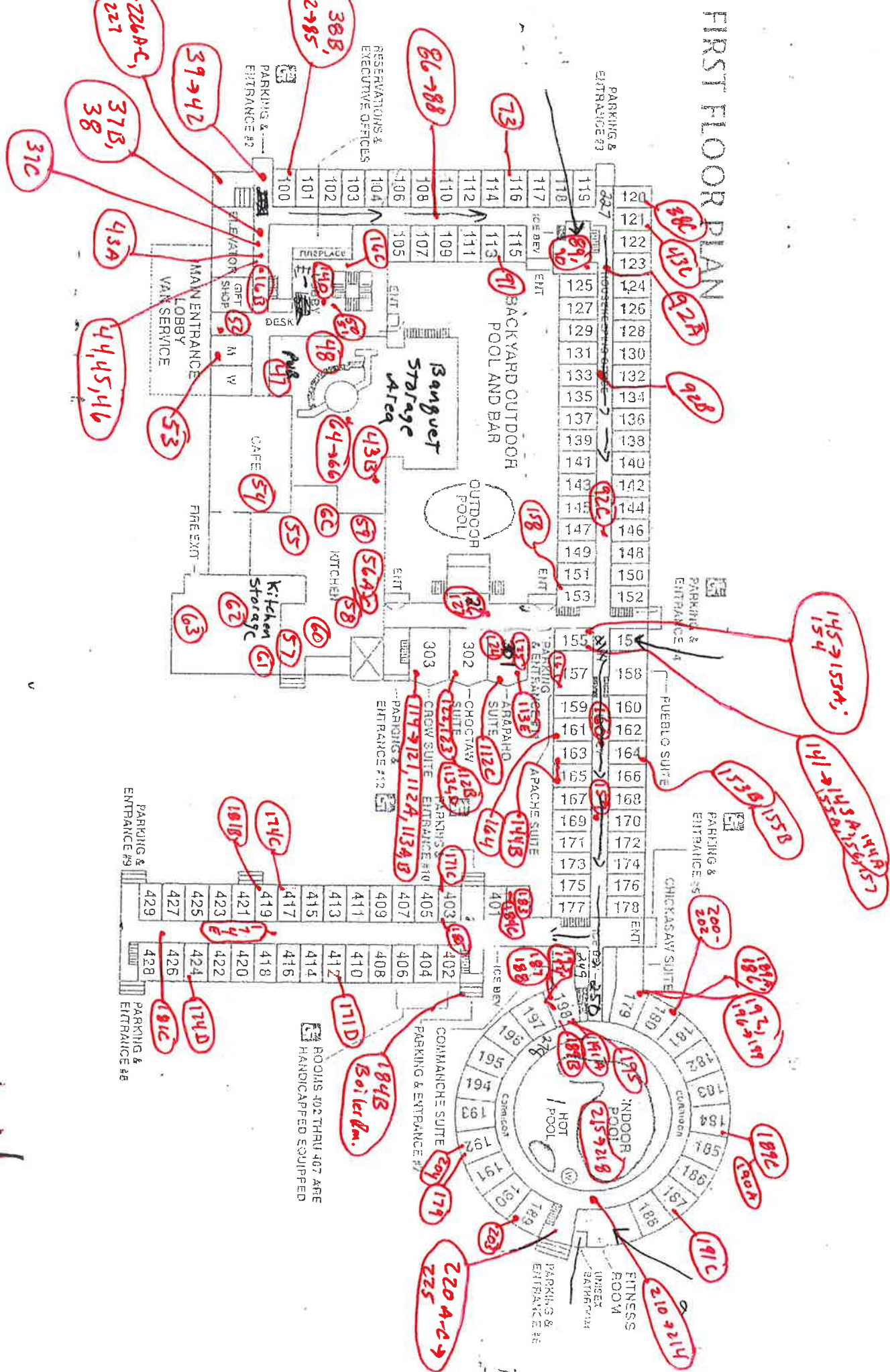


[illegible]

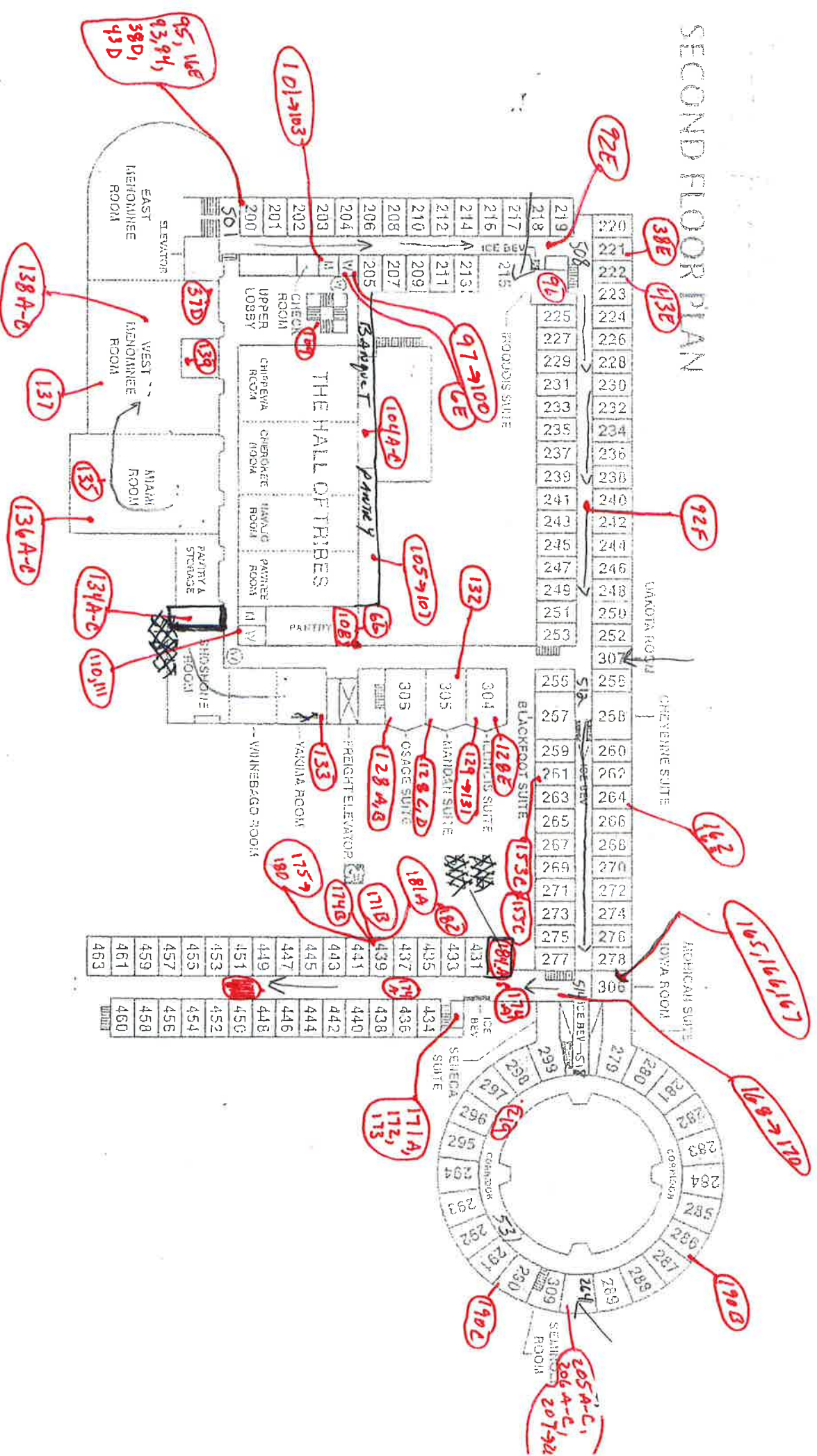
←  
Z



### Interior Sample Location

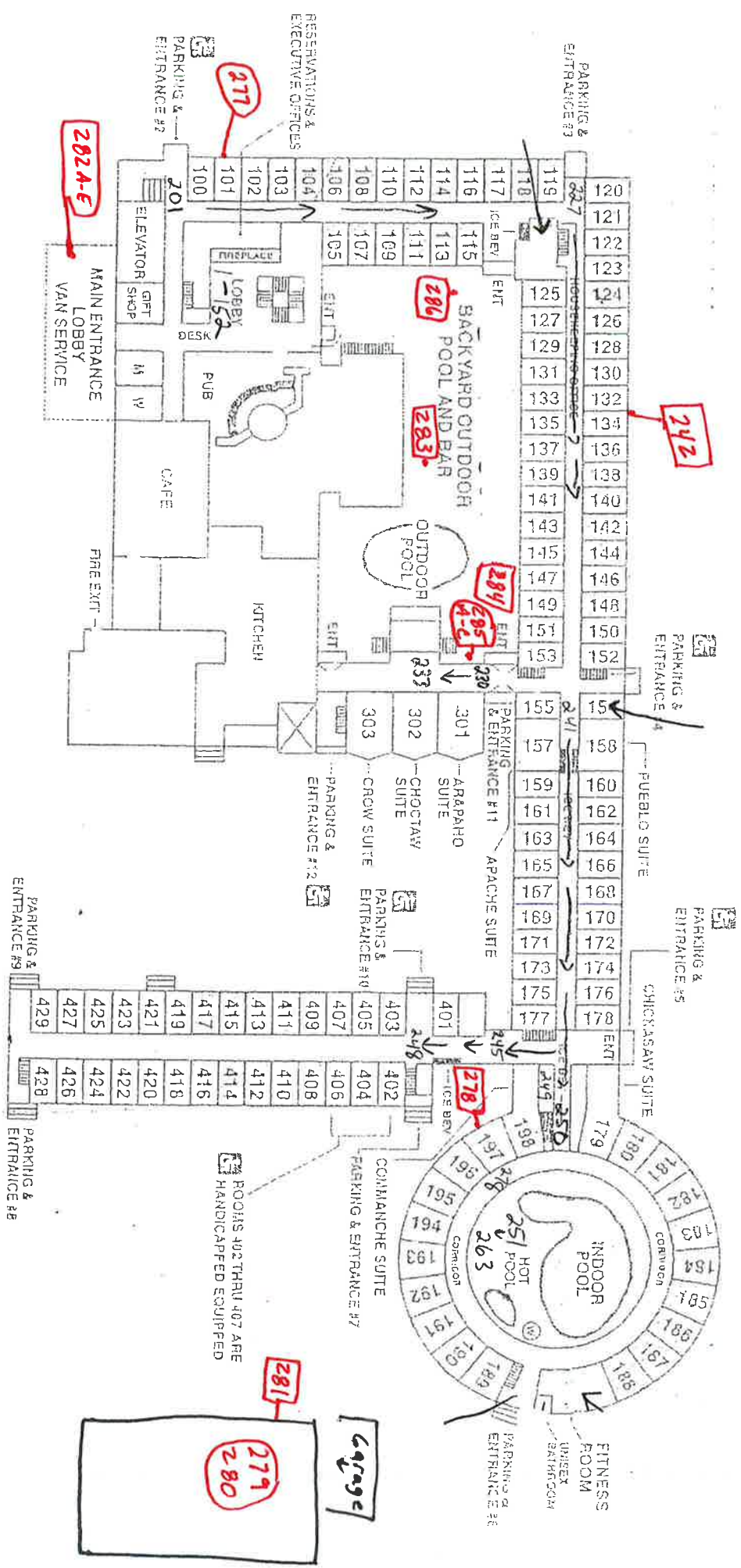


\_\_\_\_\_





# Exterior Sample Location





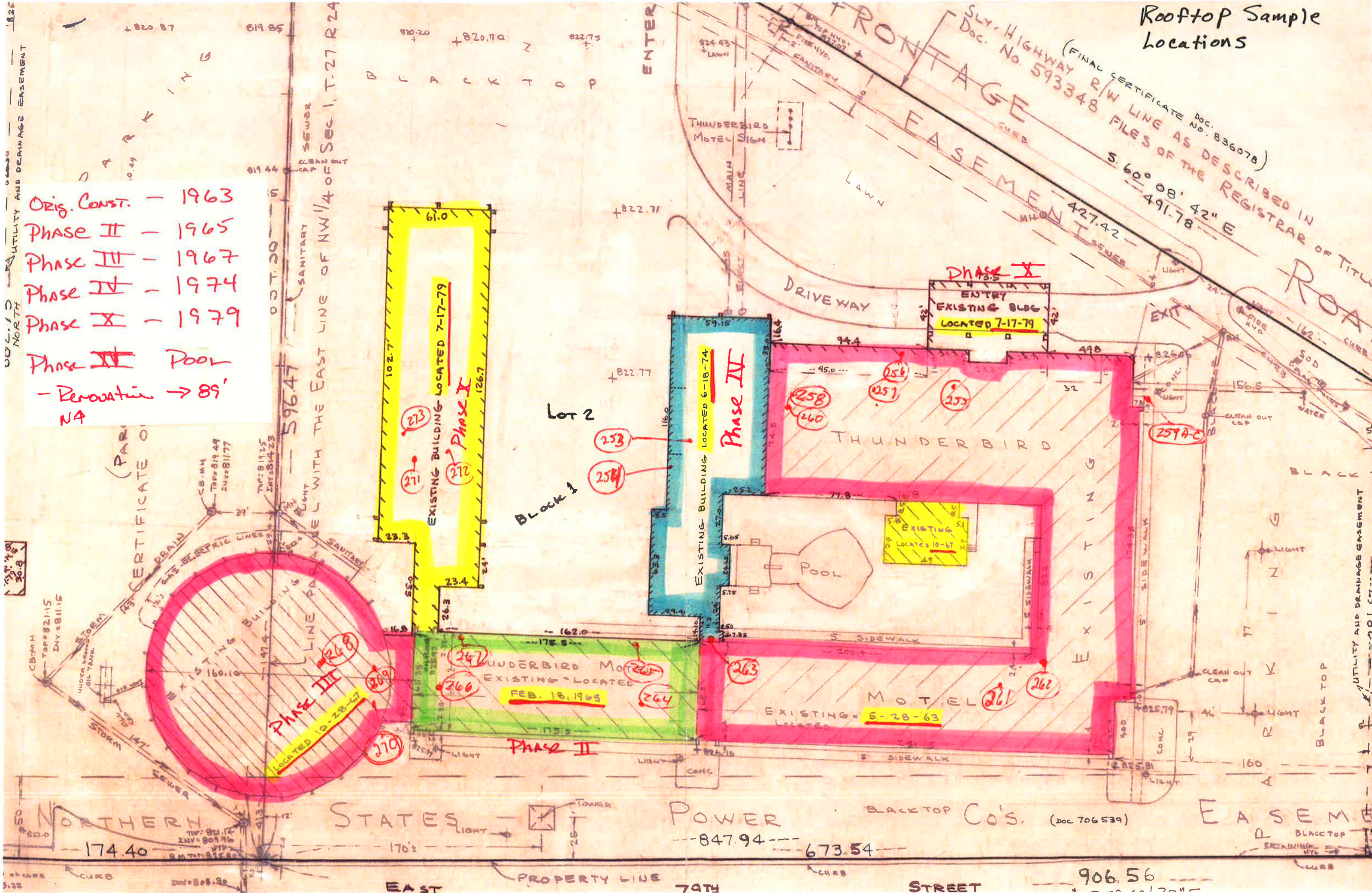
1700

Orig. Const. - 1963  
Phase II - 1965  
Phase III - 1967  
Phase IV - 1974  
Phase X - 1979  
Phase ~~IX~~ Pool  
- Renovation → 89'  
NA

## Rooftop Sample Locations

Rooftop Sample Locations

SLY. HIGHWAY R/W LINE AS DESCRIBED IN  
Doc. No. 593348 (FINAL CERTIFICATE Doc. No. 836078)  
AGE  
FILES OF THE REGISTRAR OF TITLES  
S. 60° 08' 42" E  
427.42  
491.78  
SEWER  
LIGHT  
PHASE X  
13.5





## **Appendix F**

### **Asbestos Building Inspector Certificate**

Certificate No: 5LM07061505IR

Expiration Date: July 6, 2016

This is to certify that  
**Shawn Cazett**  
has attended and successfully completed an  
**ASBESTOS INSPECTOR  
REFRESHER TRAINING COURSE**

permitted by  
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722  
and meets the requirements of  
Section 206 of Title II of the Toxic Substances Control Act (TSCA)  
conducted by

**Lake States Environmental, Ltd.**  
in  
**White Bear Lake, MN on July 6, 2015**  
**Examination Date: July 6, 2015**



MDH  
ASBESTOS  
INSPECTOR  
Certified by:  
State of Minnesota  
Department of Health  
Expires: 07/06/2016  
Shawn J. Cazett  
6540 154th Ln NW  
Ramsey, MN 55303

Director, Env. Health Div.

No. A110276 - Issued: 07/17/2015

Lake States Environmental, Ltd  
P. O. Box 645, Rice Lake, WI 54868  
(800) 254-9811

  
Training Instructor



Certificate No: 5LM02121606IR

Expiration Date: February 12, 2017

*This is to certify that*  
**John Hauschildt**  
*has attended and successfully completed an*  
**ASBESTOS INSPECTOR**  
**REFRESHER TRAINING COURSE**

*permitted by*  
*the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722*  
*and meets the requirements of*  
*Section 206 of Title II of the Toxic Substances Control Act (TSCA)*  
*conducted by*

**Lake States Environmental, Ltd.**  
*in*

**White Bear Lake, MN on February 12, 2016**

**Examination Date: February 12, 2016**

*Lake States Environmental, Ltd*  
*P. O. Box 645, Rice Lake, WI 54868*  
*(800) 254-9811*

*Paul D. McNeill*  
Training Instructor

ASBESTOS INSPECTOR

MDH  
MINNESOTA DEPARTMENT OF HEALTH

Certified by:  
State of Minnesota  
Department of Health

Expires: 02/12/2017

John W Hauschildt  
9168 211th St W  
Lakeville, MN 55044

No. A12877 Issued: 02/16/2016

Director, Env. Health Div.

